

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112019\
 Data File : VW014086.D
 Acq On : 20 Nov 2019 09:44
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 21 03:30:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 20 15:05:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	327512	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	307855	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	184763	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	118085	22.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.40%
7) Chloroethane-d5	2.89	69	99951	23.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.36%
10) 1,1-Dichloroethene-d2	4.02	63	246067	22.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.80%
20) 2-Butanone-d5	7.07	46	62132	40.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.86%
24) Chloroform-d	7.64	84	246340	24.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.84%
26) 1,2-Dichloroethane-d4	8.30	65	120432	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.16%
29) Benzene-d6	8.27	84	512474	23.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.84%
33) 1,2-Dichloropropane-d6	9.27	67	150521	23.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.08%
37) Toluene-d8	10.32	98	480648	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.80%
38) trans-1,3-Dichloropropene-	10.57	79	63190	23.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.24%
39) 2-Hexanone-d5	10.92	63	48211	39.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106886	22.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	166535	22.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	69242	17.777	ug/L	94
3) Chloromethane	2.21	50	72538	20.967	ug/L	97
5) Vinyl chloride	2.37	62	132914	24.605	ug/L	92
6) Bromomethane	2.78	94	80736	24.140	ug/L	99
8) Chloroethane	2.92	64	78252	24.353	ug/L	99
9) Trichlorofluoromethane	3.26	101	86130	23.383	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	134330	24.698	ug/L	99
12) 1,1-Dichloroethene	4.04	96	132876	24.033	ug/L	94
13) Acetone	4.12	43	51780	33.520	ug/L	99
14) Carbon disulfide	4.38	76	376008	23.895	ug/L	99
15) Methyl Acetate	4.67	43	51374	20.555	ug/L	98
16) Methylene chloride	4.91	84	131838	20.909	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	153849	21.570	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	138585	24.037	ug/L	98
19) 1,1-Dichloroethane	6.21	63	241052	24.822	ug/L	99
21) 2-Butanone	7.16	43	72287	36.425	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	146631	24.168	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112019\
 Data File : VW014086.D
 Acq On : 20 Nov 2019 09:44
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 21 03:30:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 20 15:05:13 2019
 Response via : Initial Calibration

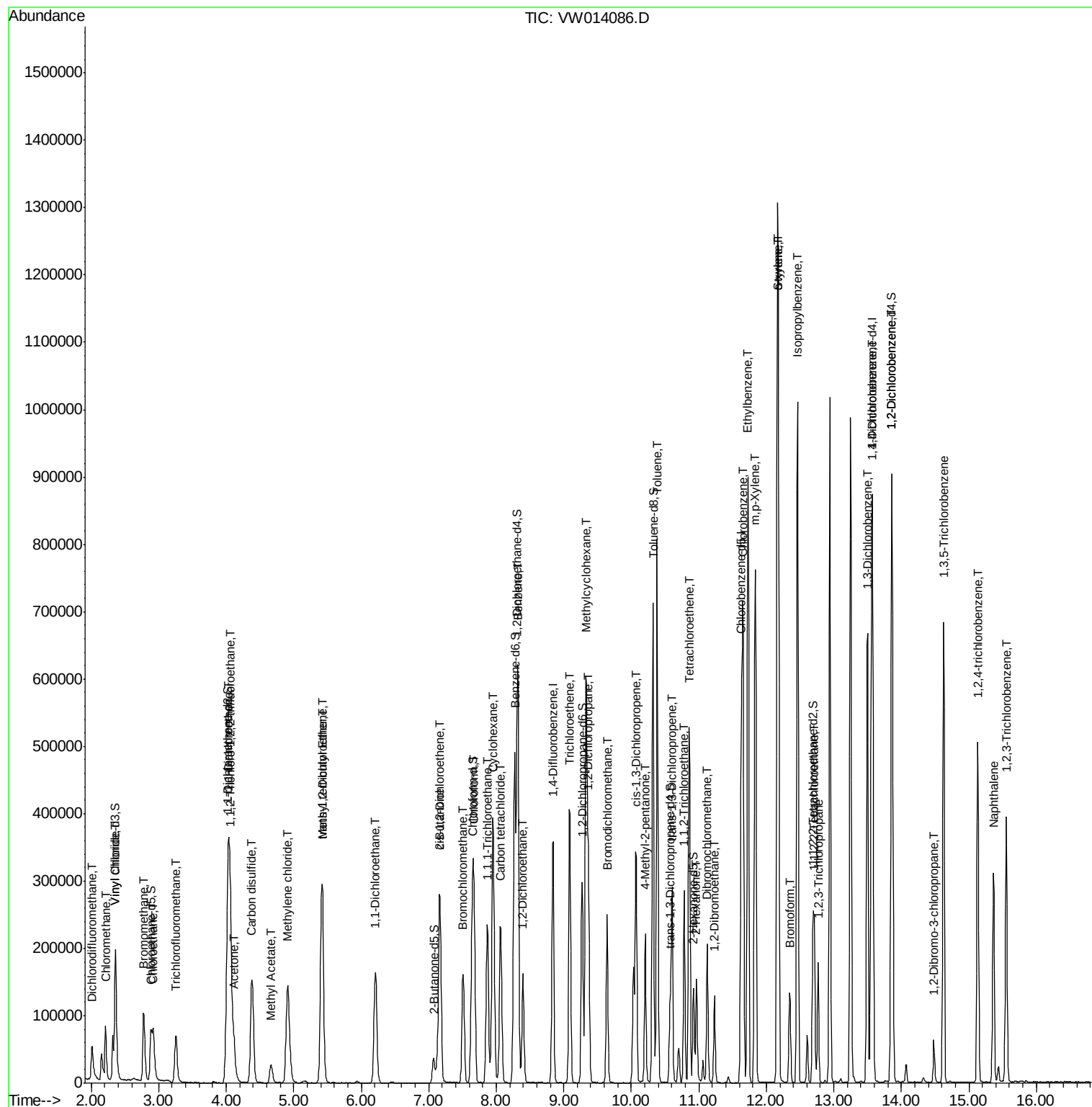
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	64221	24.114	ug/L	92
25) Chloroform	7.67	83	241220	25.294	ug/L	99
27) 1,2-Dichloroethane	8.40	62	144780	25.075	ug/L	97
30) Cyclohexane	7.95	56	232458	23.595	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	192329	24.929	ug/L	99
32) Carbon tetrachloride	8.06	117	187459	25.311	ug/L	99
34) Benzene	8.32	78	562925	24.929	ug/L	100
35) Trichloroethene	9.09	95	144253	23.948	ug/L	99
36) Methylcyclohexane	9.33	83	255785	23.683	ug/L	99
40) 1,2-Dichloropropane	9.37	63	133987	24.649	ug/L	100
41) Bromodichloromethane	9.64	83	166346	25.313	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	208981	24.361	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	141084	39.309	ug/L	100
44) Toluene	10.38	91	598861	24.324	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	161136	23.754	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	93192	23.332	ug/L	100
47) Tetrachloroethene	10.86	164	131881	24.564	ug/L	97
49) 2-Hexanone	10.96	43	99632	38.504	ug/L	98
50) Dibromochloromethane	11.13	129	113559	24.189	ug/L	99
51) 1,2-Dibromoethane	11.23	107	88620	22.868	ug/L	96
52) Chlorobenzene	11.66	112	372523	24.136	ug/L	97
53) Ethylbenzene	11.73	91	664338	24.590	ug/L	99
54) m,p-Xylene	11.83	106	256597	24.440	ug/L	98
55) o-xylene	12.16	106	242075	24.622	ug/L	98
56) Styrene	12.18	104	413302	24.885	ug/L	100
57) Isopropylbenzene	12.46	105	671645	24.846	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	104091	22.322	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	75324	21.478	ug/L	99
62) Bromoform	12.35	173	66852	22.079	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	299880	23.115	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	301536	23.525	ug/L	98
65) 1,2-Dichlorobenzene	13.86	146	267857	23.316	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	14876	19.014	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	234459	23.714	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	179656	23.110	ug/L	99
69) Naphthalene	15.36	128	275236	19.929	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	155299	22.636	ug/L	99

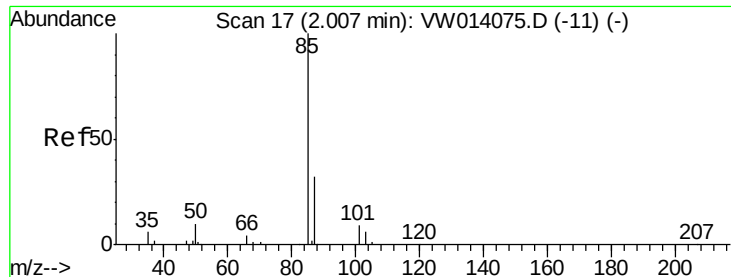
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112019\
Data File : VW014086.D
Acq On : 20 Nov 2019 09:44
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Nov 21 03:30:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 20 15:05:13 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 17.777 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

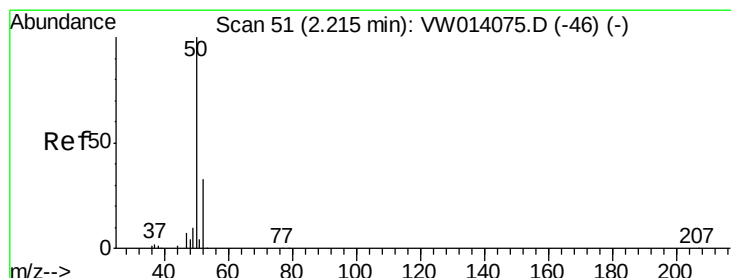
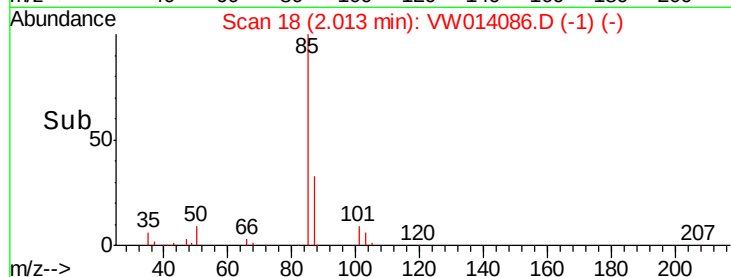
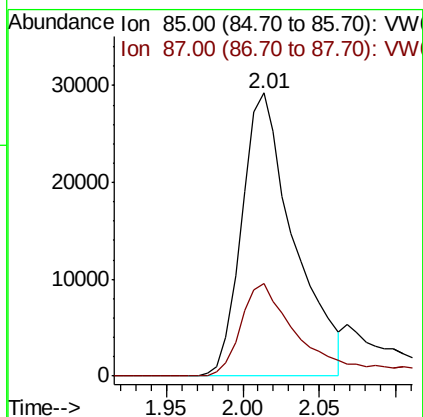
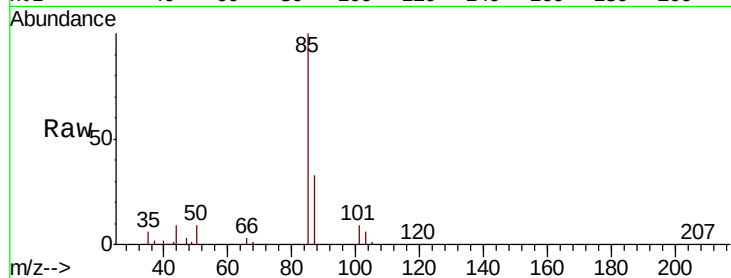
ClientSampleId :

Tot Ion: 85 Resp: 69242

Ion Ratio Lower Upper

85 100

87 35.0 22.1 41.1



#3

Chloromethane

Concen: 20.967 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014086.D

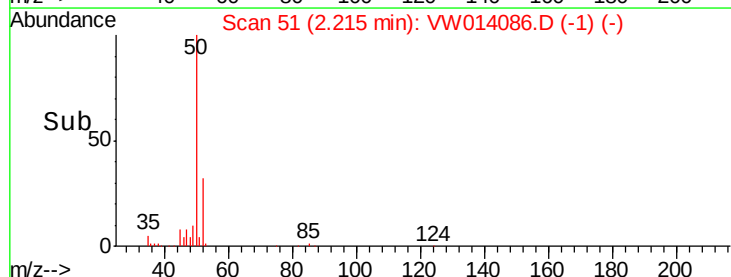
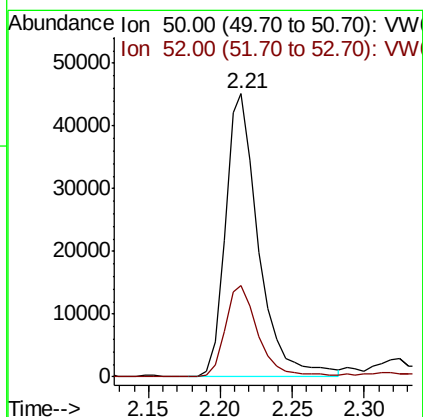
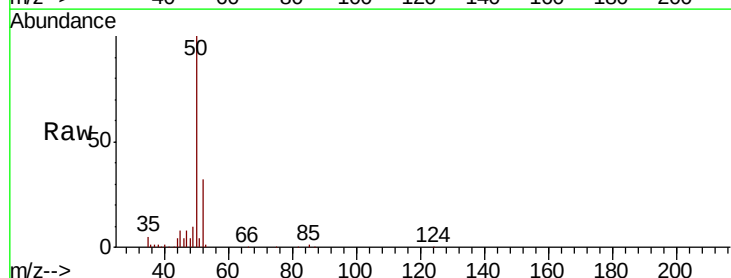
Acq: 20 Nov 2019 09:44

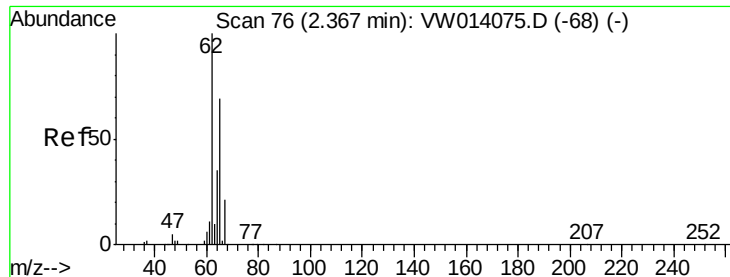
Tgt Ion: 50 Resp: 72538

Ion Ratio Lower Upper

50 100

52 32.3 23.8 44.2





#5

Vinyl chloride

Concen: 24.605 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

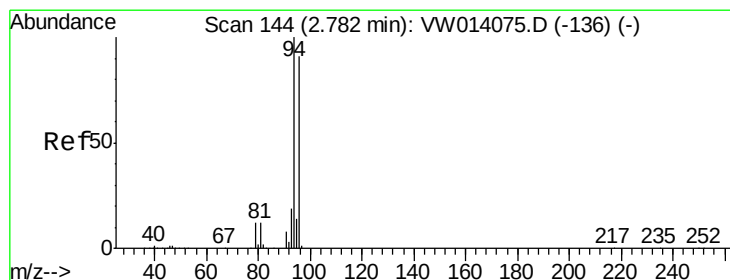
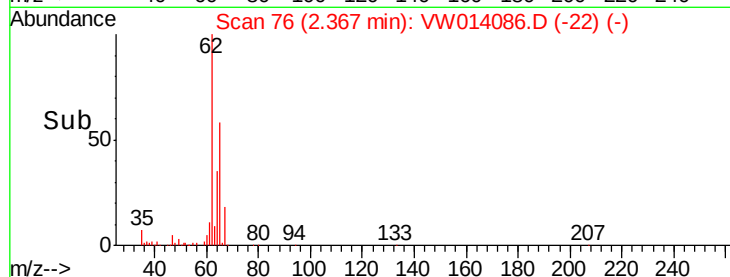
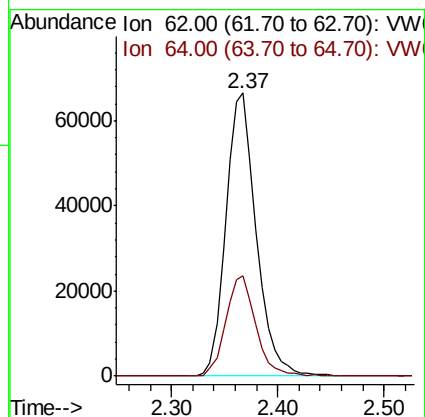
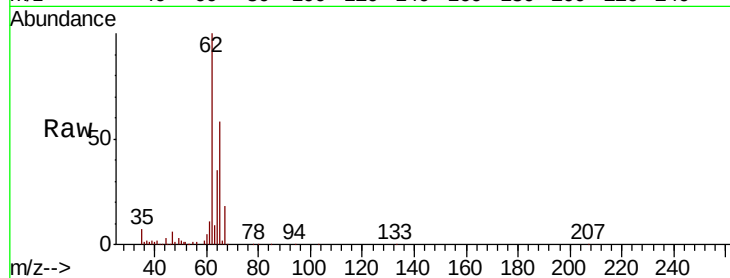
ClientSampled :

Tot Ion: 62 Resp: 132914

Ion Ratio Lower Upper

62 100

64 35.4 21.8 40.4



#6

Bromomethane

Concen: 24.140 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014086.D

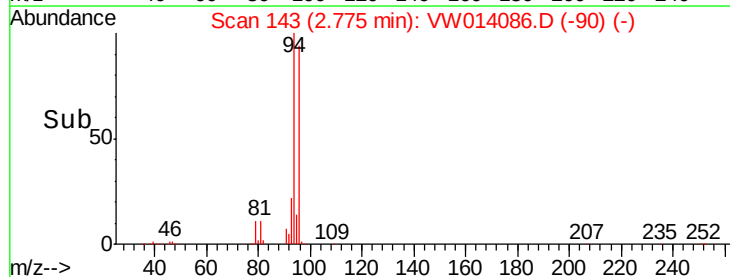
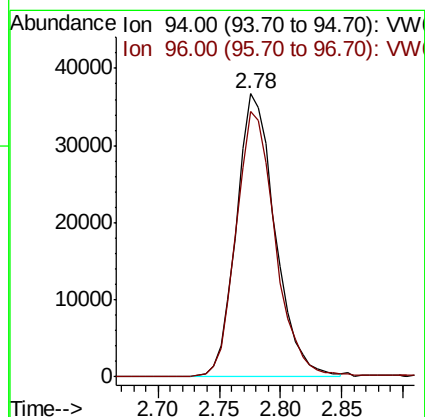
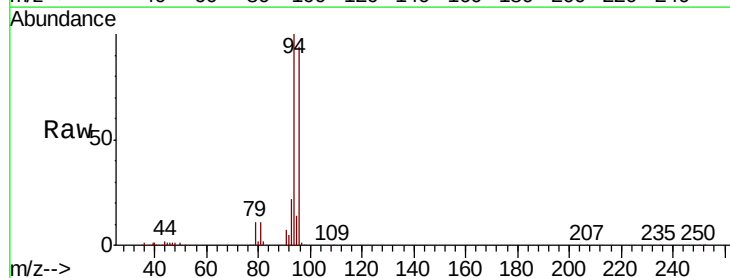
Acq: 20 Nov 2019 09:44

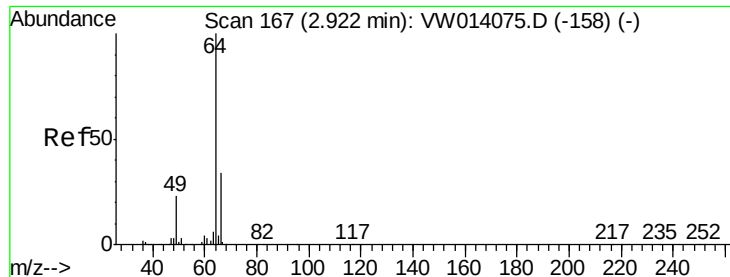
Tgt Ion: 94 Resp: 80736

Ion Ratio Lower Upper

94 100

96 95.2 9.4 178.8





#8

Chloroethane

Concen: 24.353 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

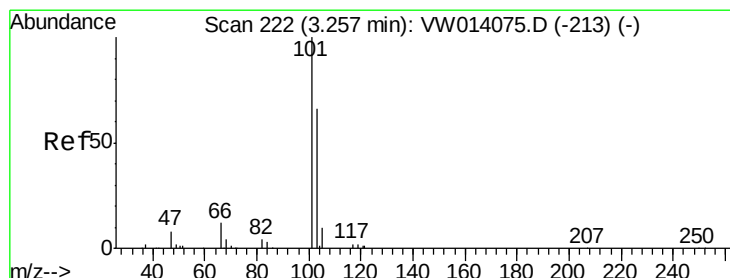
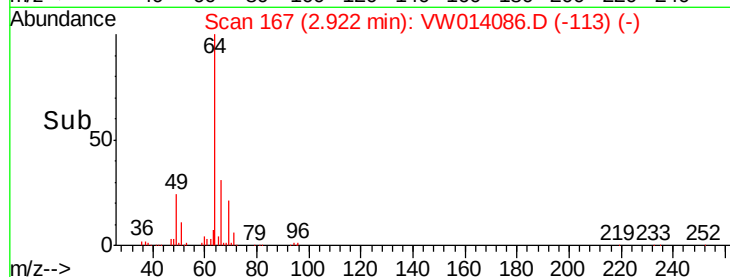
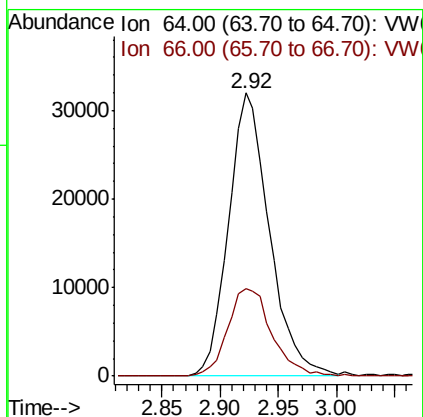
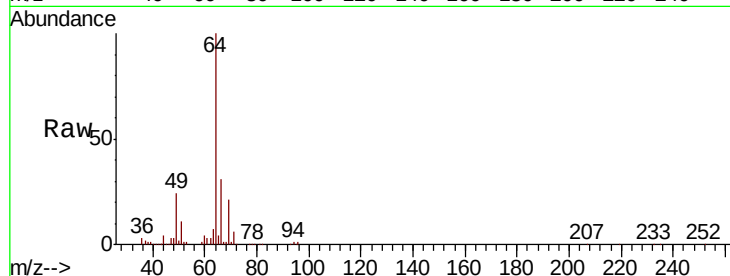
ClientSampleId :

Tot Ion: 64 Resp: 78252

Ion Ratio Lower Upper

64 100

66 30.8 21.2 39.4



#9

Trichlorofluoromethane

Concen: 23.383 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014086.D

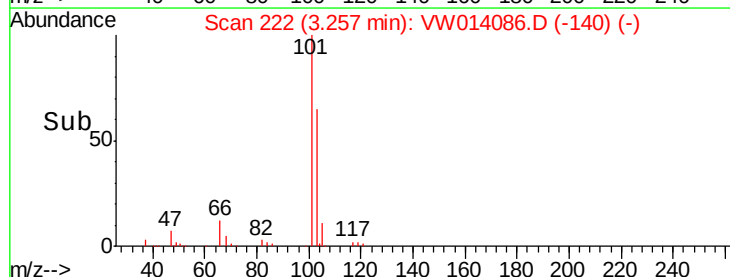
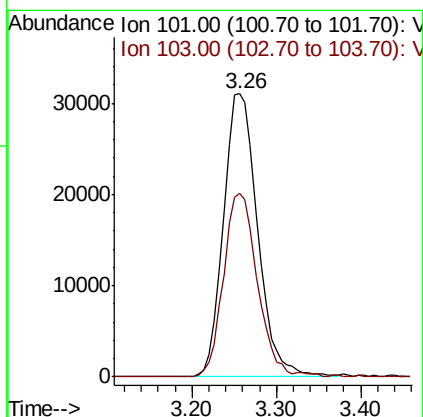
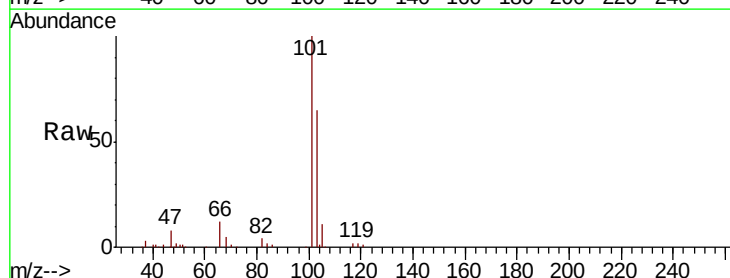
Acq: 20 Nov 2019 09:44

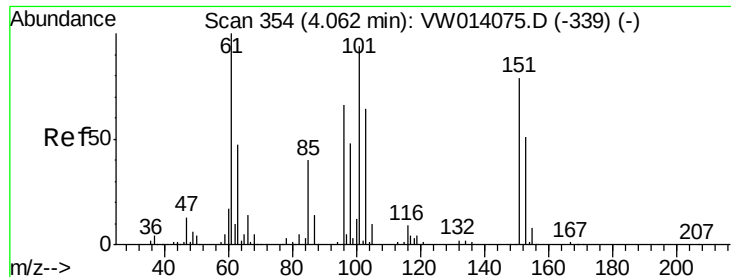
Tgt Ion: 101 Resp: 86130

Ion Ratio Lower Upper

101 100

103 63.4 45.4 84.2





#11

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

Concen: 24.698 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

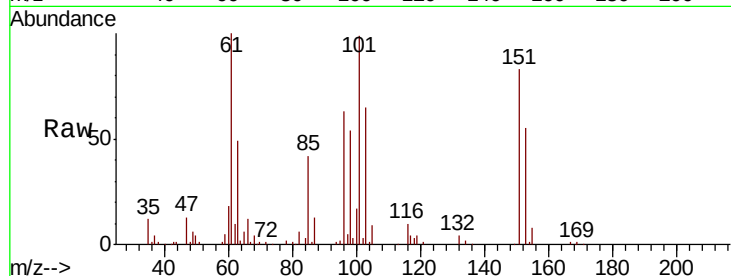
Tot Ion:101 Resp: 134330

Ion Ratio Lower Upper

101 100

85 41.1 31.4 47.2

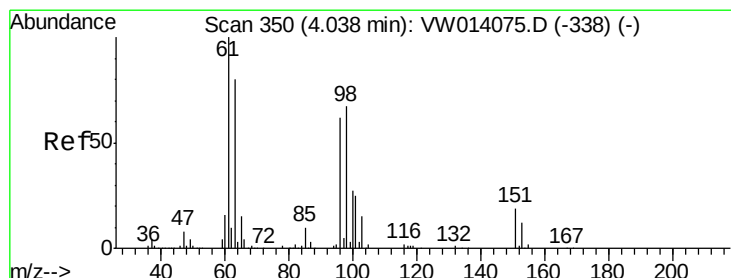
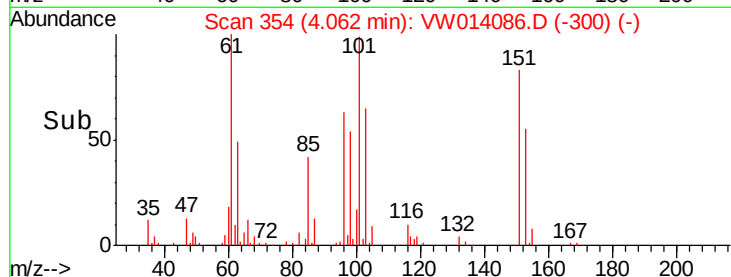
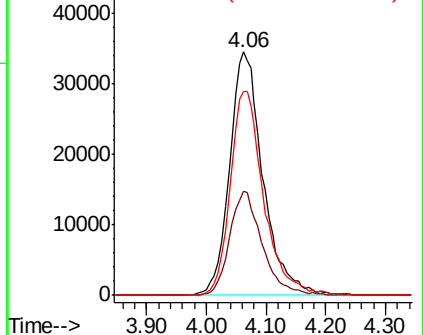
151 83.2 66.9 100.3



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: 24.033 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

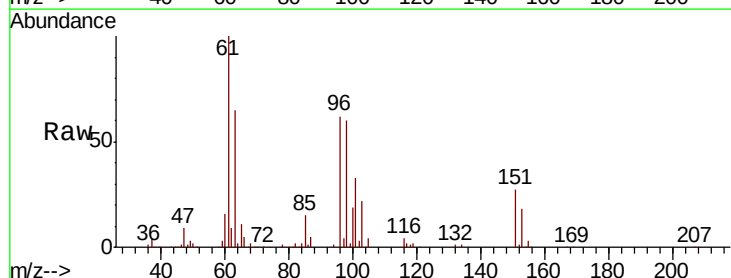
Tgt Ion: 96 Resp: 132876

Ion Ratio Lower Upper

96 100

61 160.7 109.8 204.0

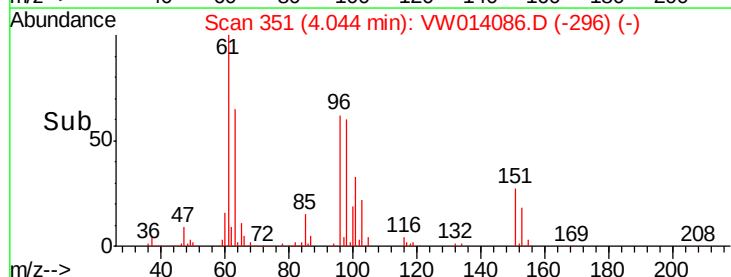
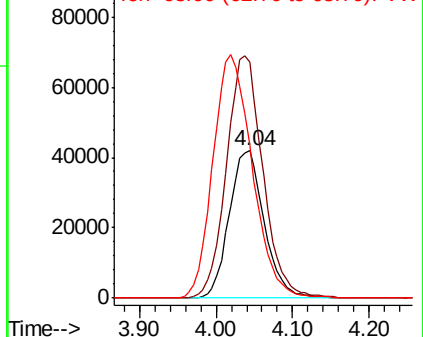
63 104.0 80.7 149.9

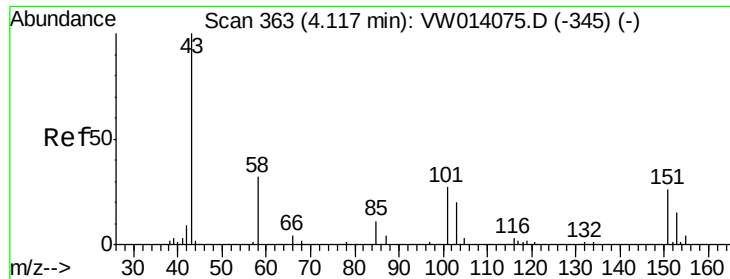


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 33.520 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

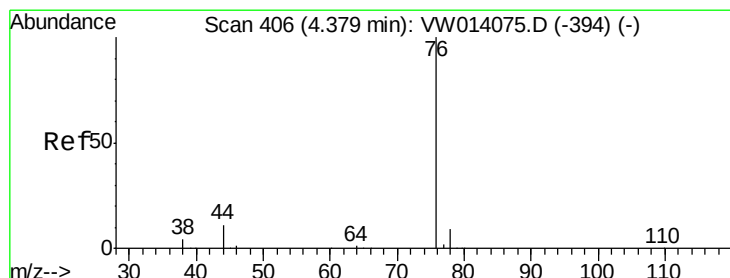
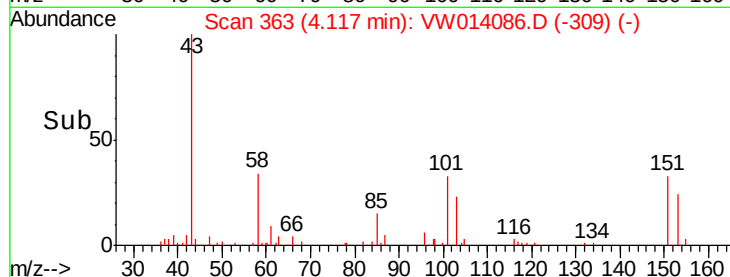
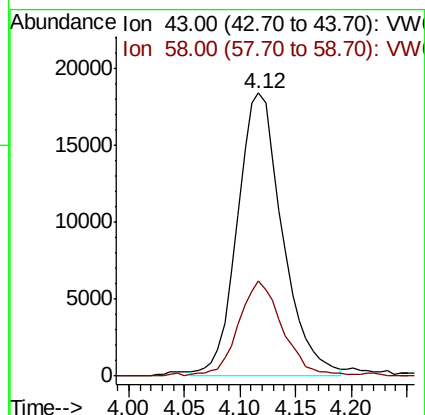
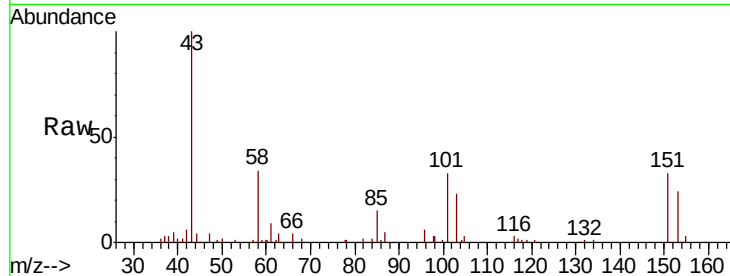
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 51780

Ion Ratio Lower Upper

43 100

58 33.1 0.0 65.4



#14

Carbon disulfide

Concen: 23.895 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW014086.D

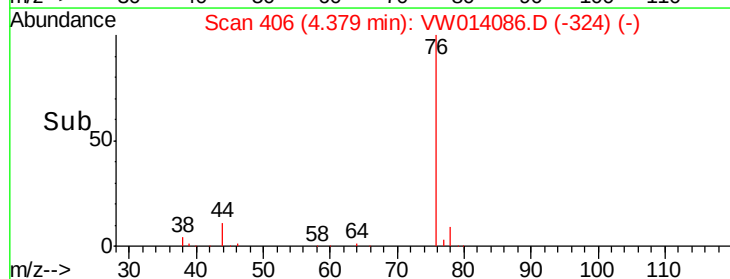
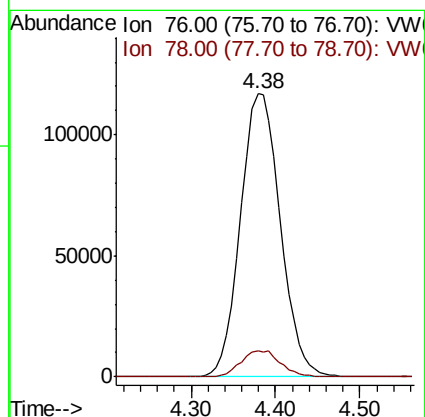
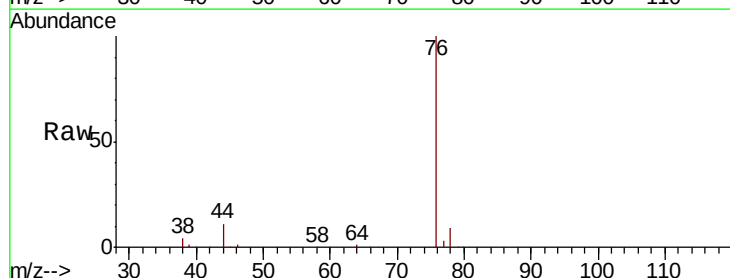
Acq: 20 Nov 2019 09:44

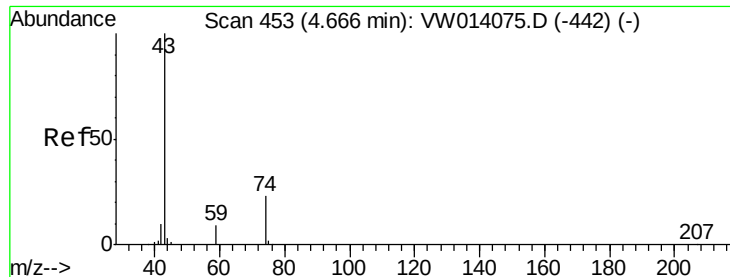
Tgt Ion: 76 Resp: 376008

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8





#15

Methvl Acetate

Concen: 20.555 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

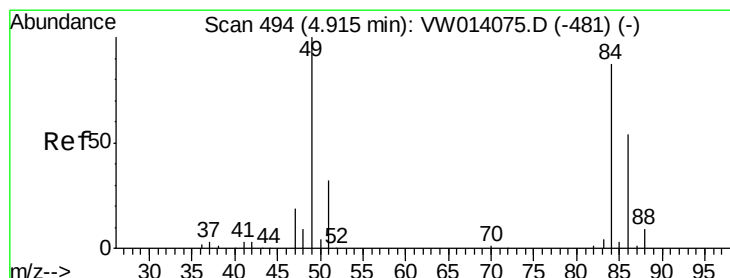
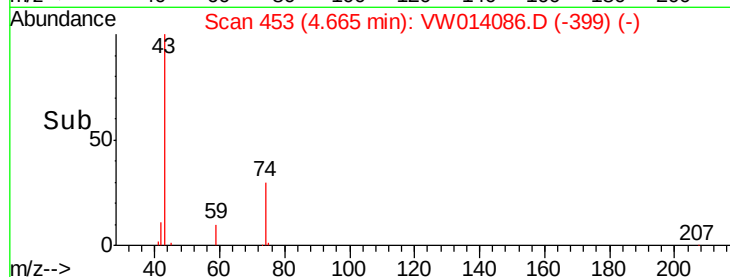
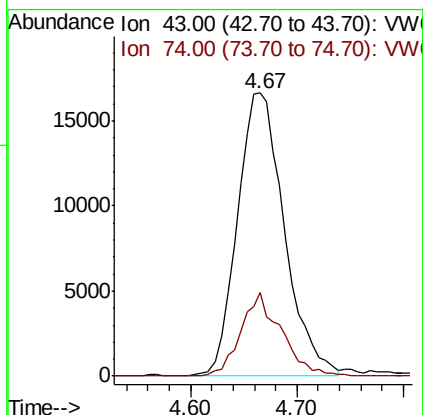
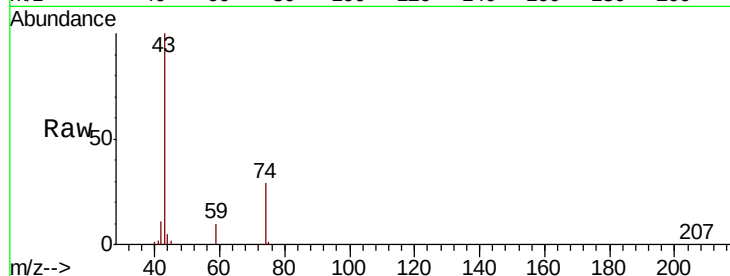
ClientSampleId :

Tot Ion: 43 Resp: 51374

Ion Ratio Lower Upper

43 100

74 25.3 19.3 28.9



#16

Methylene chloride

Concen: 20.909 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

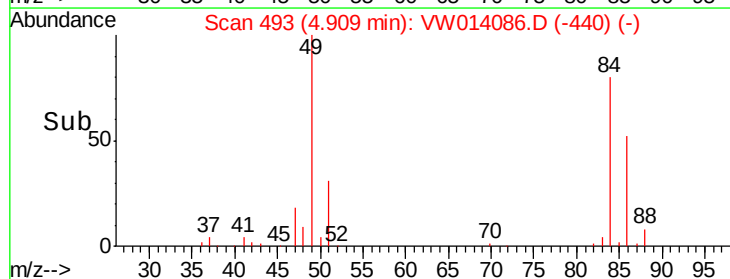
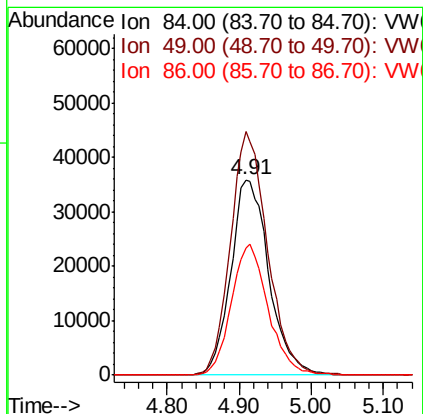
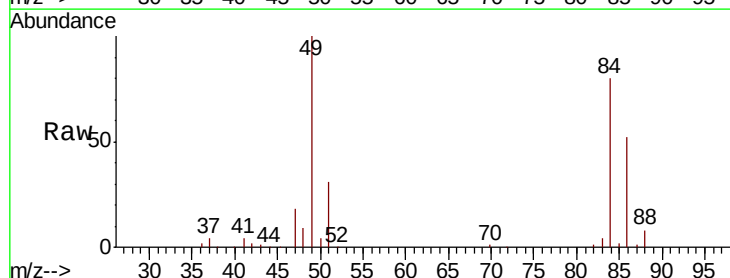
Tgt Ion: 84 Resp: 131838

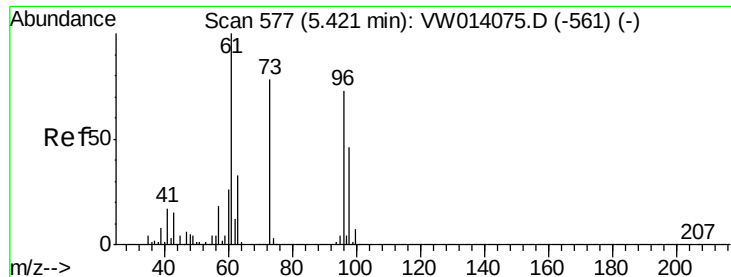
Ion Ratio Lower Upper

84 100

49 124.5 84.2 156.4

86 65.2 43.7 81.1

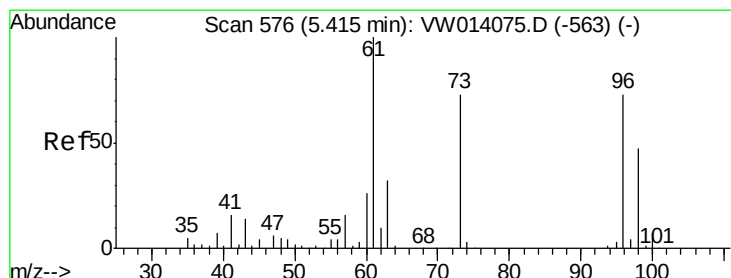
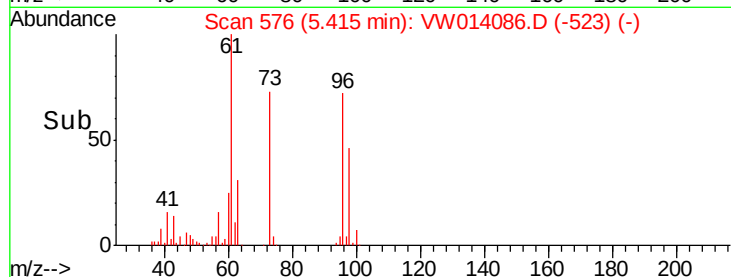
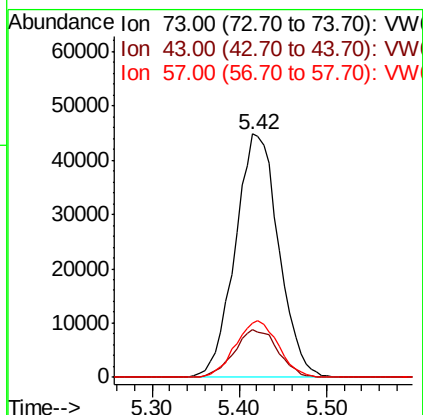
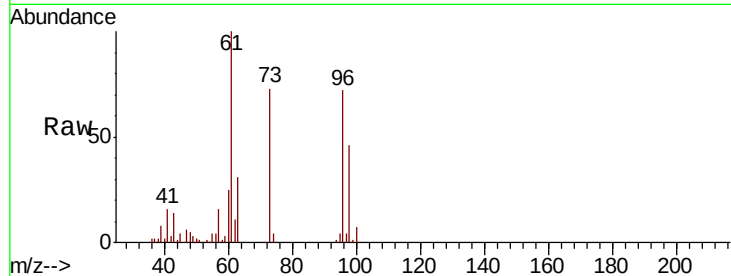




#17
Methyl tert-butyl Ether
Concen: 21.570 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014086.D
Acq: 20 Nov 2019 09:44

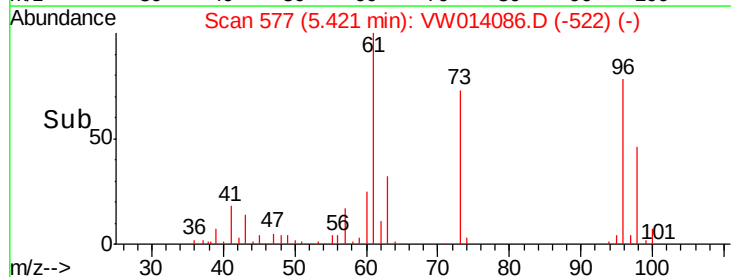
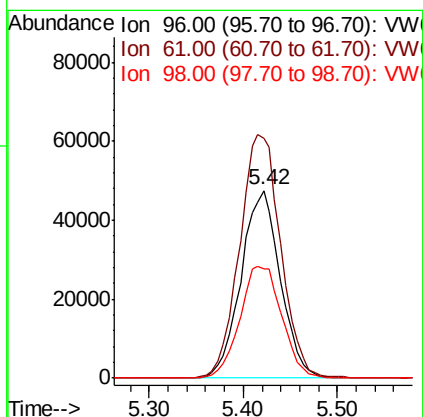
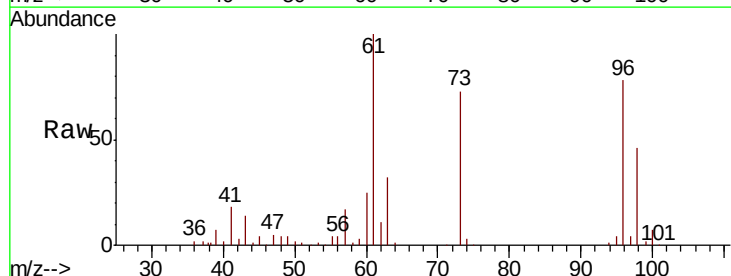
Instrument :
MSVOA_W
ClientSampled :

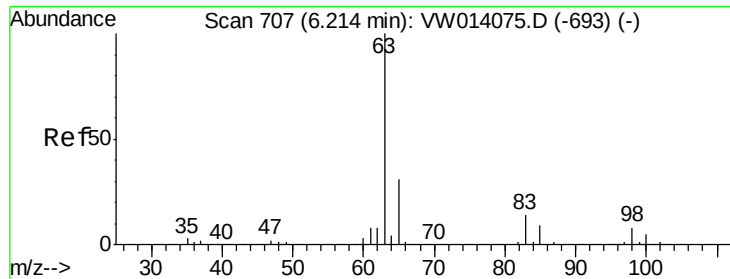
Tot Ion: 73 Resp: 153849
Ion Ratio Lower Upper
73 100
43 19.8 15.5 23.3
57 23.0 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 24.037 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014086.D
Acq: 20 Nov 2019 09:44

Tgt Ion: 96 Resp: 138585
Ion Ratio Lower Upper
96 100
61 127.6 90.6 168.2
98 58.4 42.9 79.7

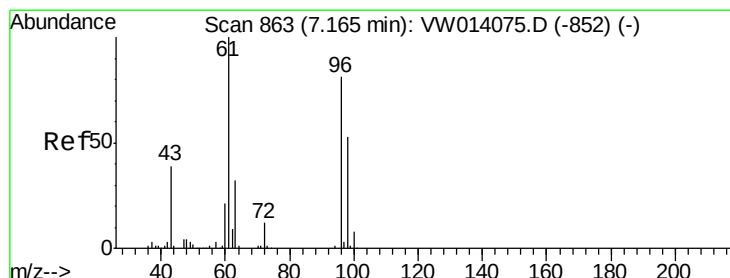
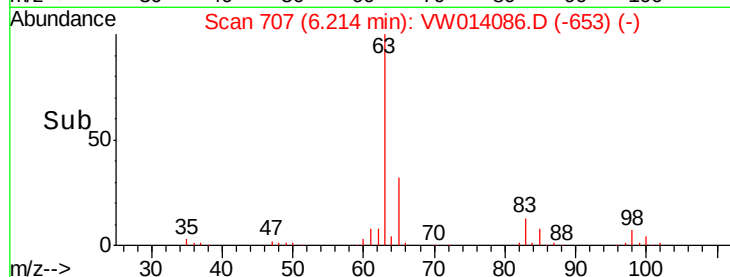
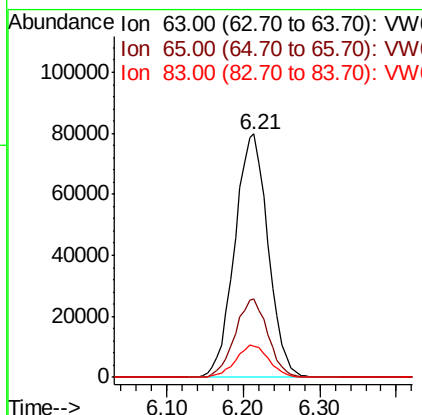
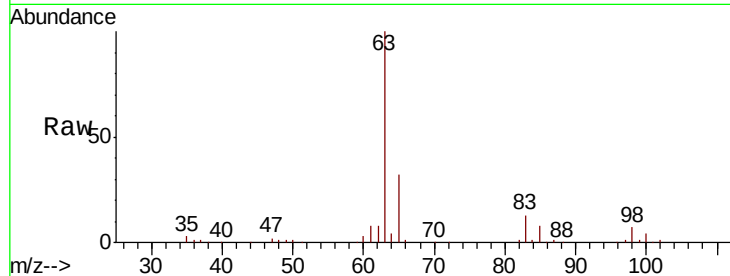




#19
 1,1-Dichloroethane
 Concen: 24.822 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW014086.D
 Acq: 20 Nov 2019 09:44

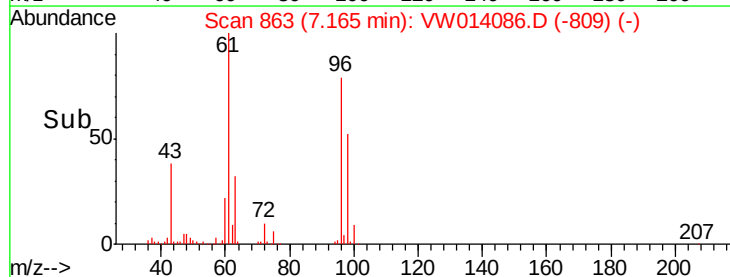
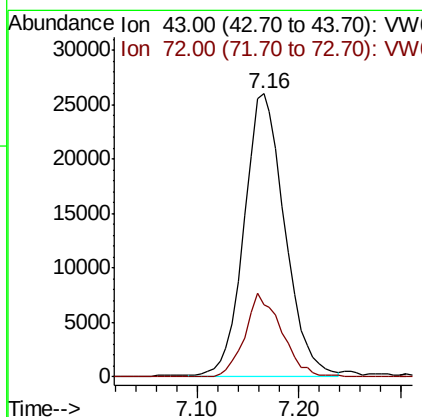
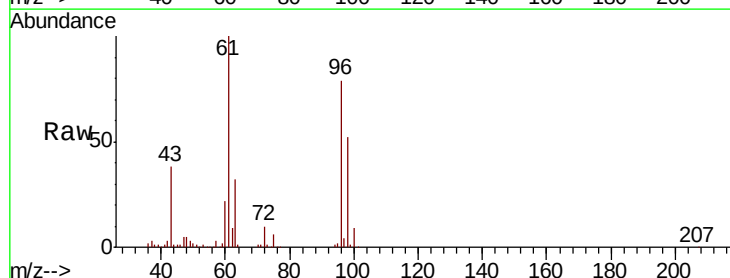
Instrument :
 MSVOA_W
 ClientSampled :

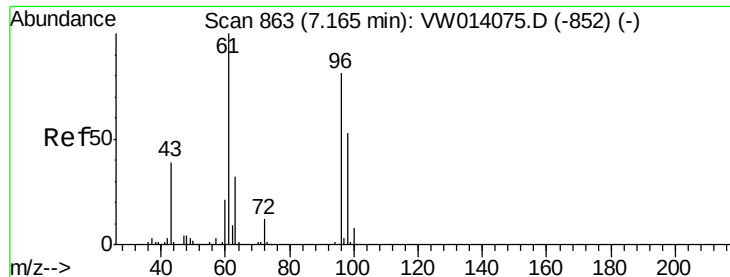
Tot Ion: 63 Resp: 241052
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.1 41.1
 83 12.6 9.0 16.6



#21
 2-Butanone
 Concen: 36.425 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014086.D
 Acq: 20 Nov 2019 09:44

Tgt Ion: 43 Resp: 72287
 Ion Ratio Lower Upper
 43 100
 72 26.6 14.1 42.2



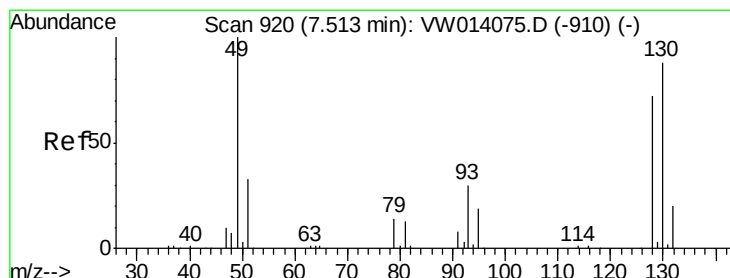
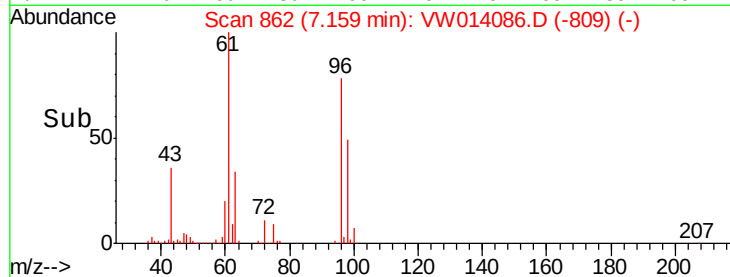
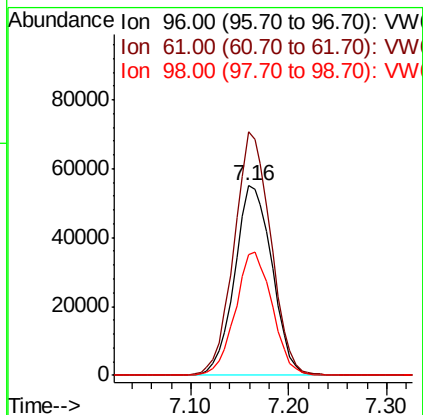
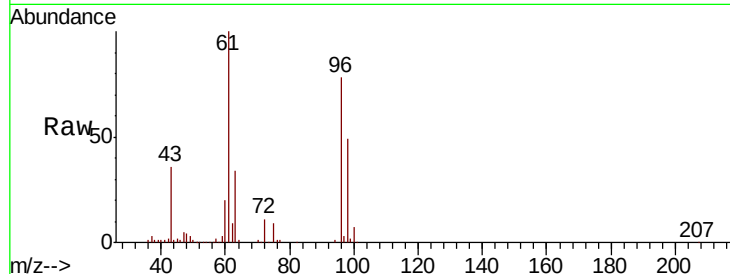


#22

cis-1,2-Dichloroethene
 Concen: 24.168 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW014086.D
 Acq: 20 Nov 2019 09:44

Instrument :
 MSVOA_W
 ClientSampled :

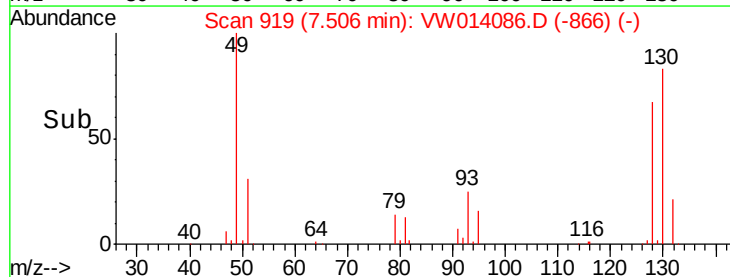
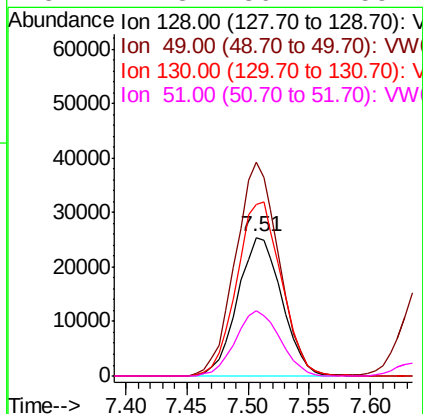
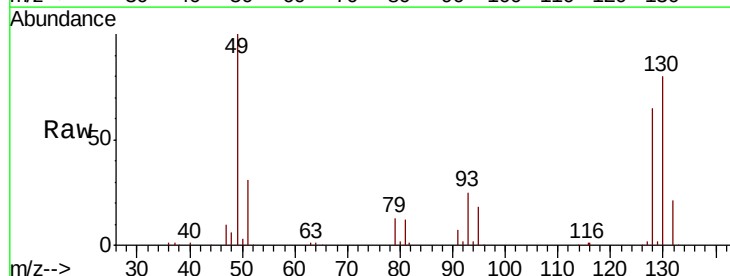
Tot Ion: 96 Resp: 146631
 Ion Ratio Lower Upper
 96 100
 61 128.4 86.9 161.5
 98 63.4 45.5 84.5

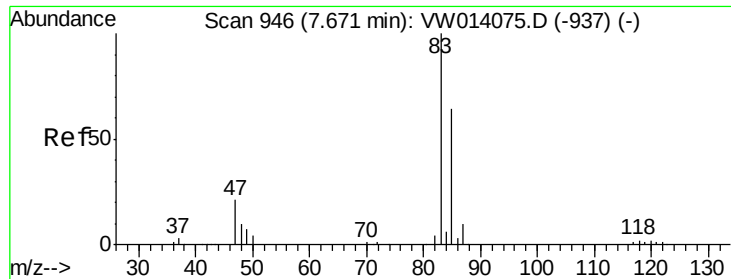


#23

Bromochloromethane
 Concen: 24.114 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW014086.D
 Acq: 20 Nov 2019 09:44

Tgt Ion: 128 Resp: 64221
 Ion Ratio Lower Upper
 128 100
 49 154.4 95.1 176.5
 130 124.1 85.0 158.0
 51 47.3 36.7 55.1

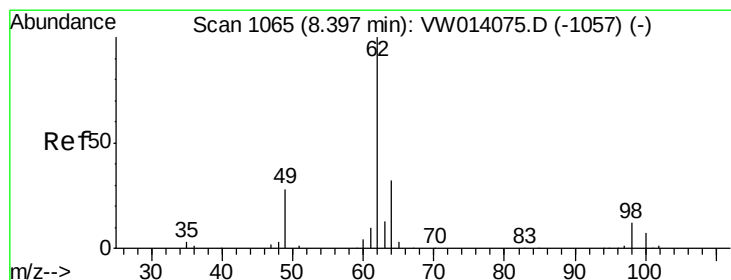
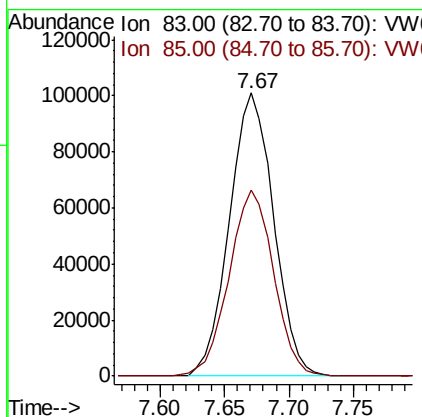
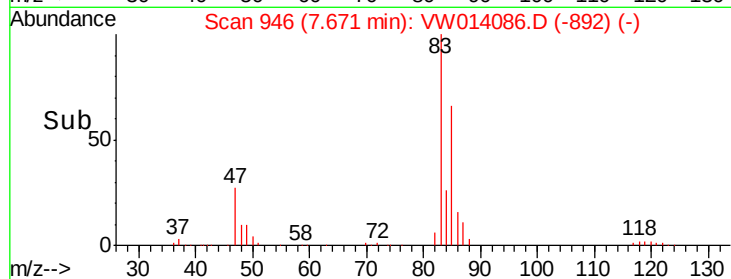
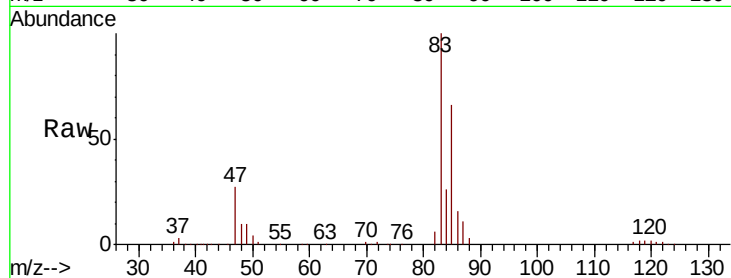




#25
Chloroform
Concen: 25.294 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014086.D
Acq: 20 Nov 2019 09:44

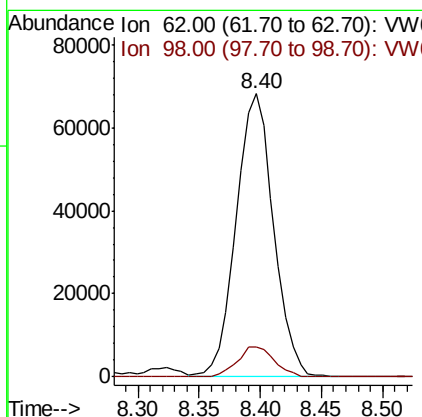
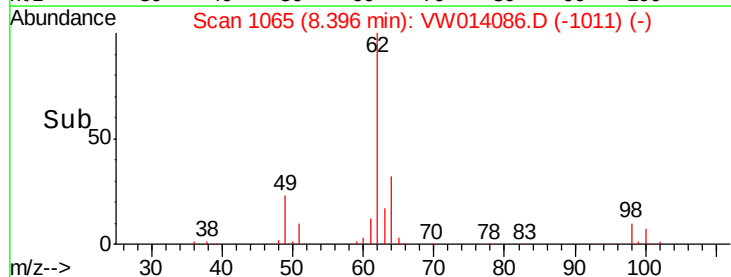
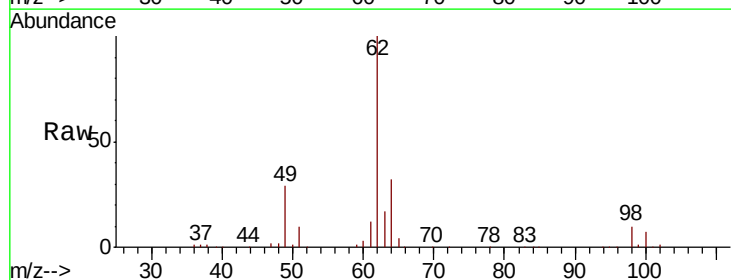
Instrument :
MSVOA_W
ClientSampled :

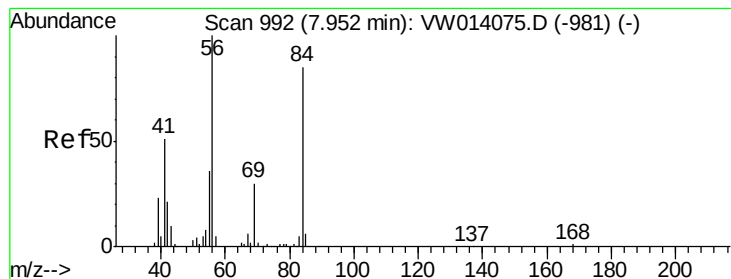
Tot Ion: 83 Resp: 241220
Ion Ratio Lower Upper
83 100
85 66.4 46.1 85.7



#27
1,2-Dichloroethane
Concen: 25.075 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014086.D
Acq: 20 Nov 2019 09:44

Tgt Ion: 62 Resp: 144780
Ion Ratio Lower Upper
62 100
98 10.5 9.3 13.9





#30

Cyclohexane

Concen: 23.595 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

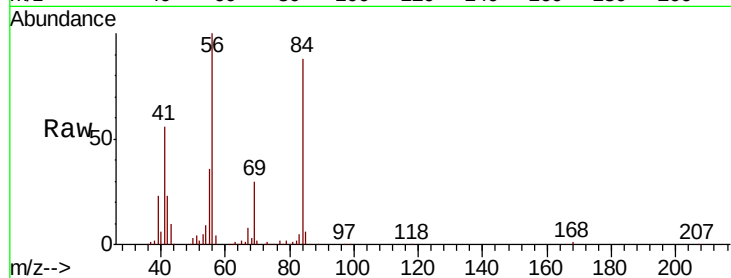
Tot Ion: 56 Resp: 232458

Ion Ratio Lower Upper

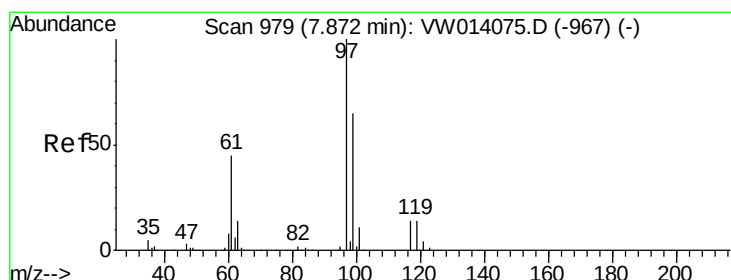
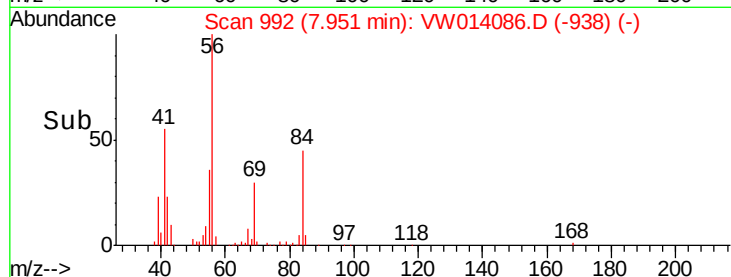
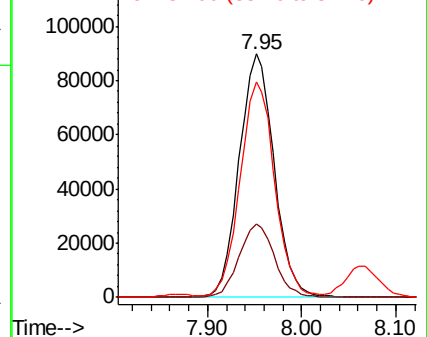
56 100

69 30.6 24.6 37.0

84 88.2 70.2 105.2



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 24.929 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

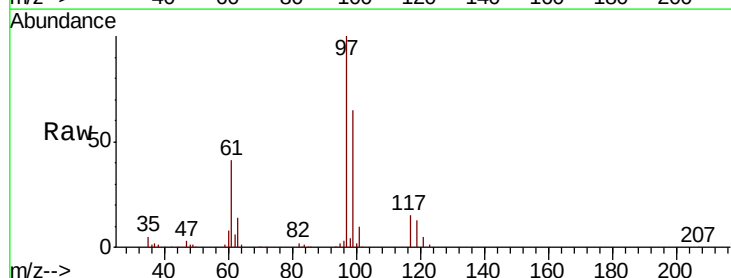
Tgt Ion: 97 Resp: 192329

Ion Ratio Lower Upper

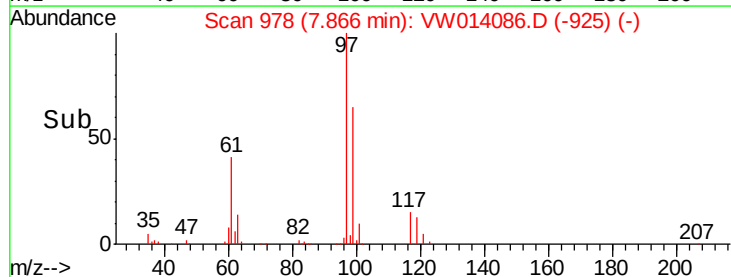
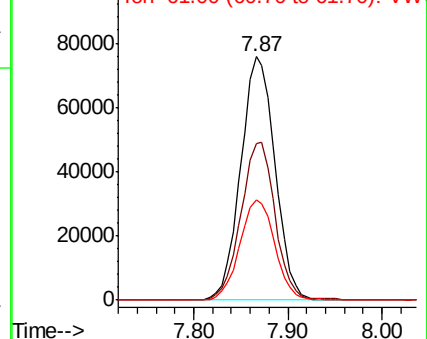
97 100

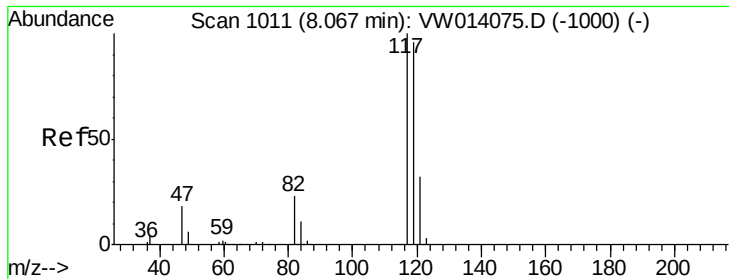
99 64.8 51.1 76.7

61 42.0 32.8 49.2



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 25.311 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

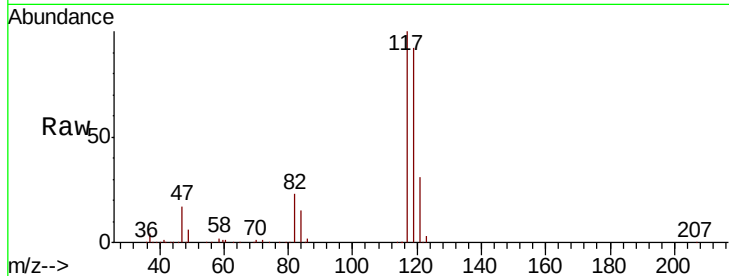
ClientSampleId :

Tot Ion:117 Resp: 187459

Ion Ratio Lower Upper

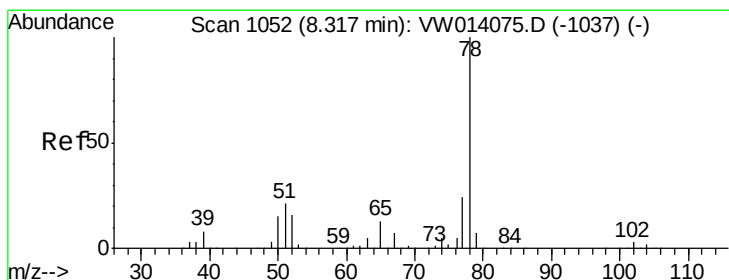
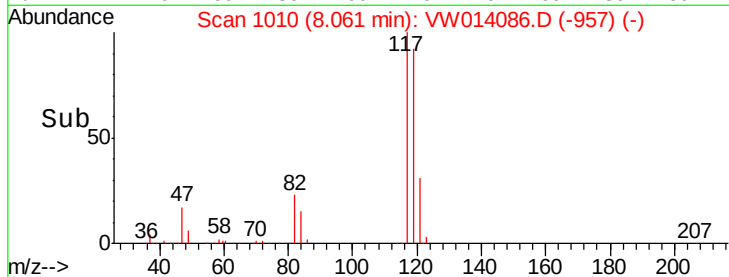
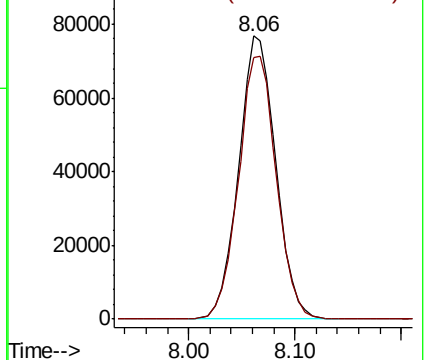
117 100

119 94.9 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: 24.929 ug/L

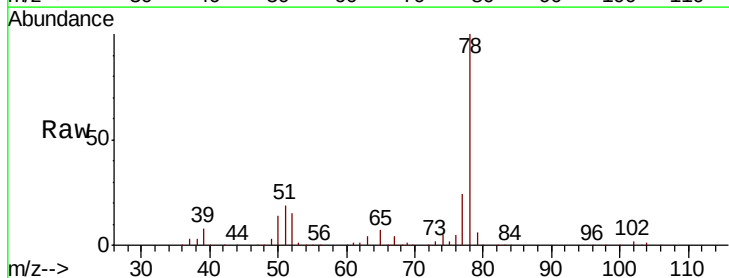
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

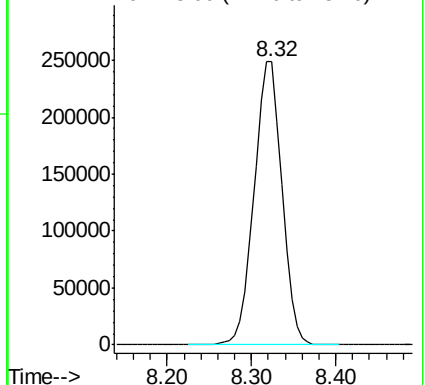
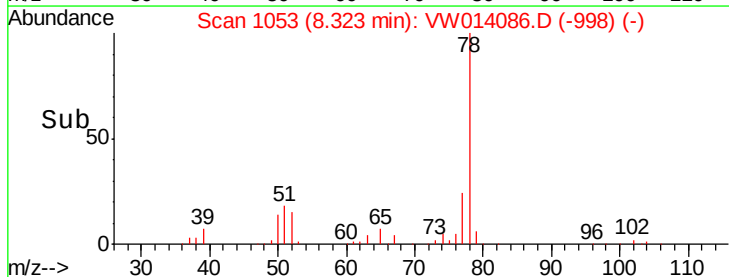
Lab File: VW014086.D

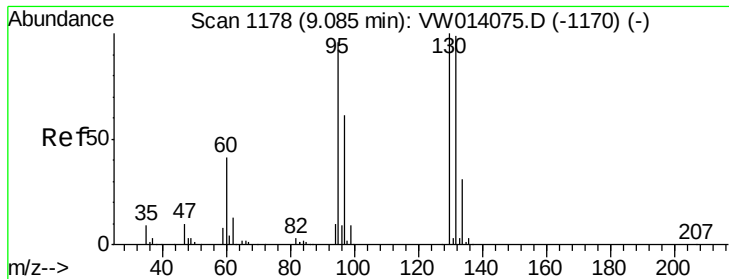
Acq: 20 Nov 2019 09:44

Tgt Ion: 78 Resp: 562925



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.948 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 144253

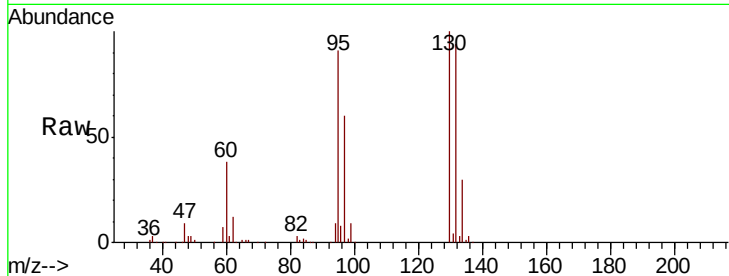
Ion Ratio Lower Upper

95 100

97 64.9 45.1 83.9

132 105.9 73.7 136.9

130 109.9 76.6 142.2

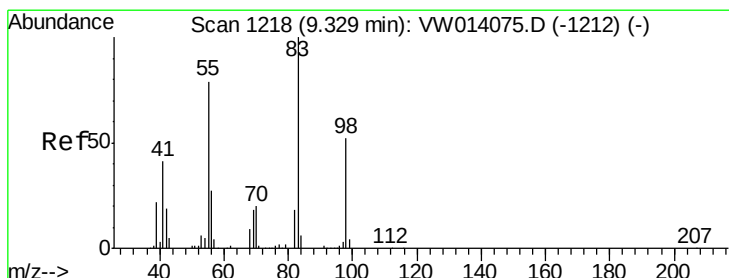
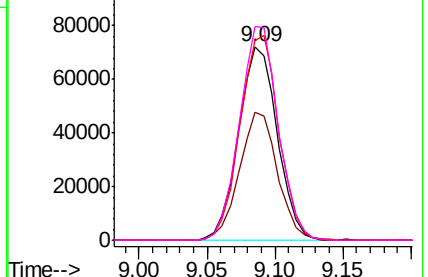
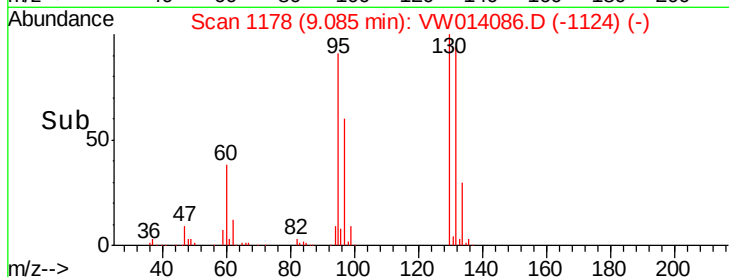


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 23.683 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

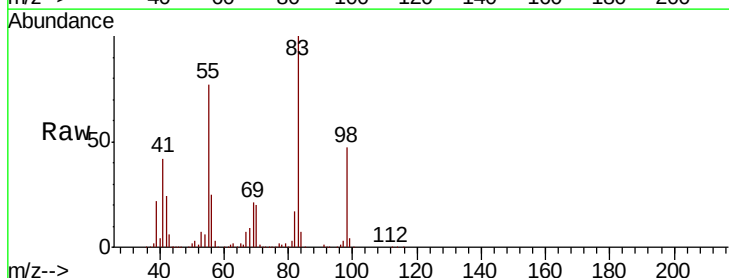
Tgt Ion: 83 Resp: 255785

Ion Ratio Lower Upper

83 100

55 76.4 59.8 89.8

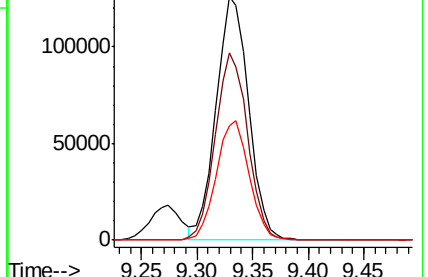
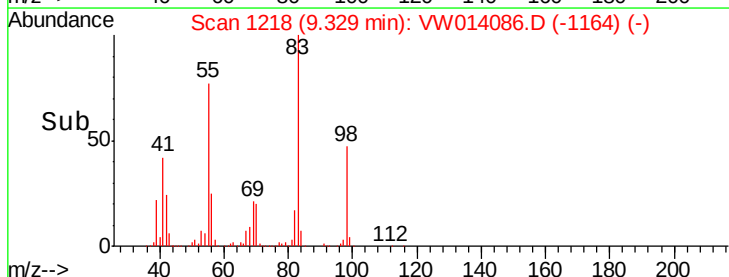
98 49.4 39.5 59.3

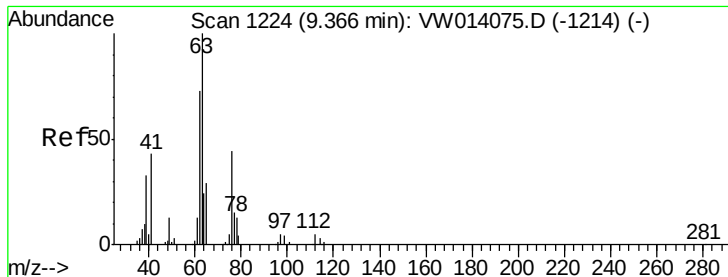


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.649 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

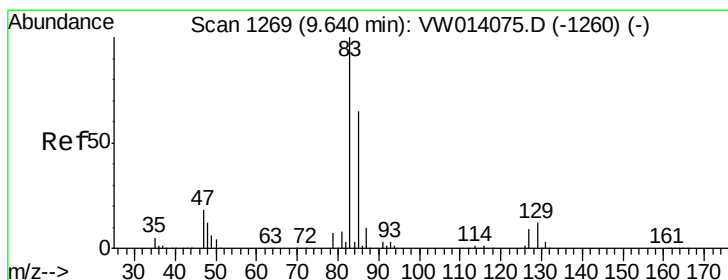
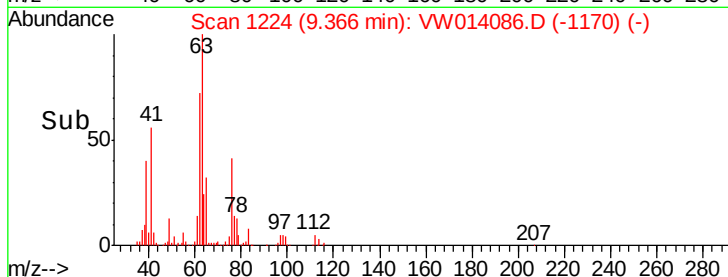
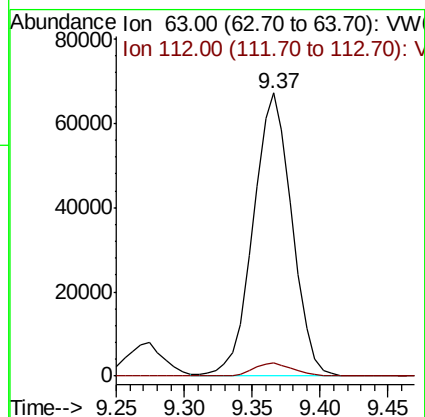
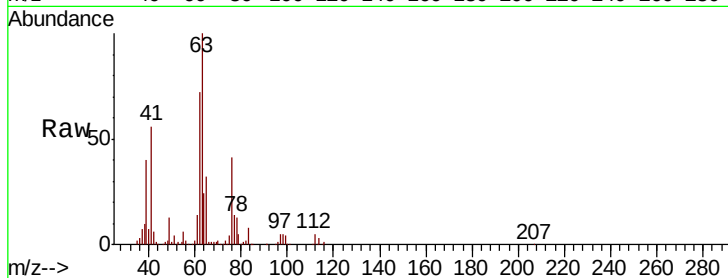
ClientSampleId :

Tot Ion: 63 Resp: 133987

Ion Ratio Lower Upper

63 100

112 4.8 3.9 5.9



#41

Bromodichloromethane

Concen: 25.313 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

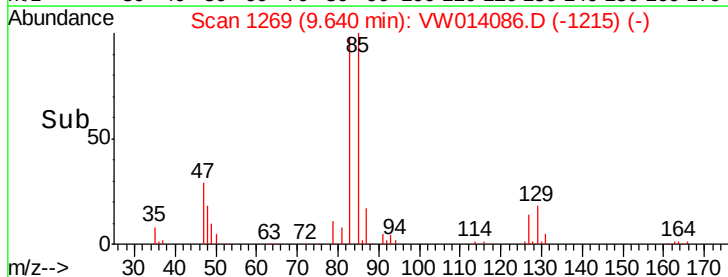
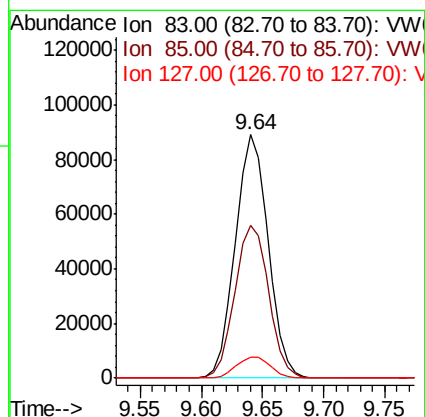
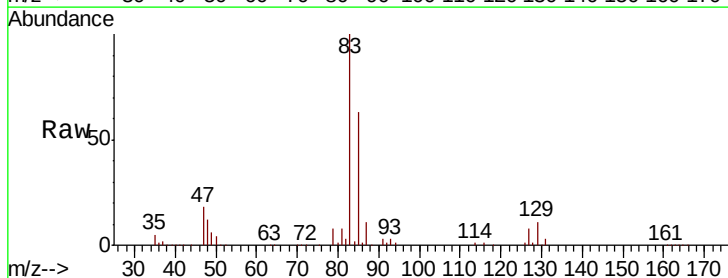
Tgt Ion: 83 Resp: 166346

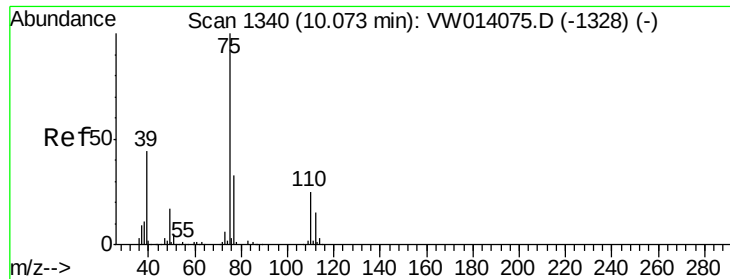
Ion Ratio Lower Upper

83 100

85 62.6 45.1 83.7

127 8.5 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 24.361 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

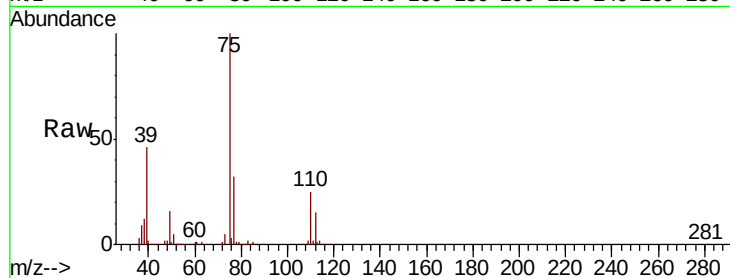
ClientSampled :

Tot Ion: 75 Resp: 208981

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

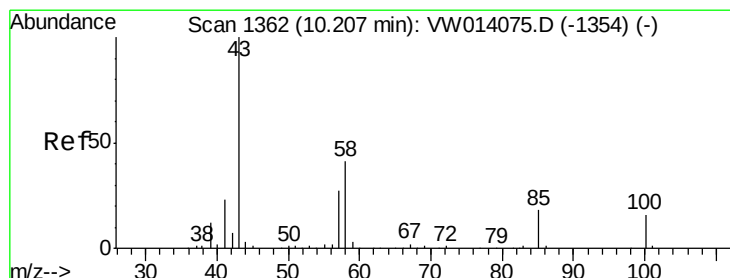
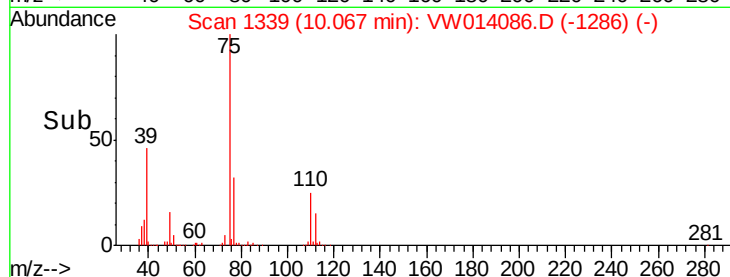
10.07

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 39.309 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

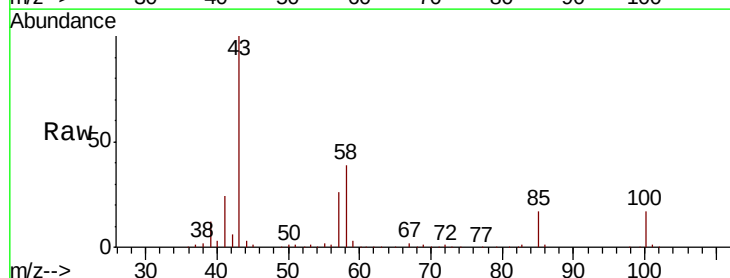
Tgt Ion: 43 Resp: 141084

Ion Ratio Lower Upper

43 100

58 40.6 32.6 49.0

100 17.1 13.8 20.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

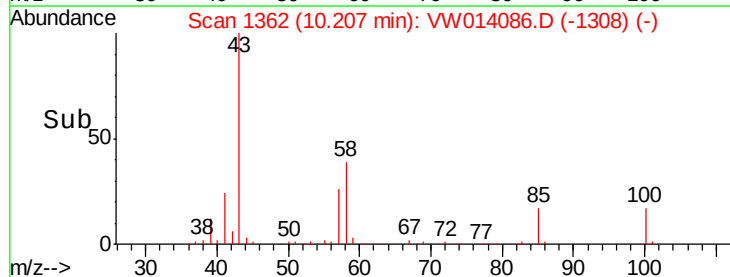
150000

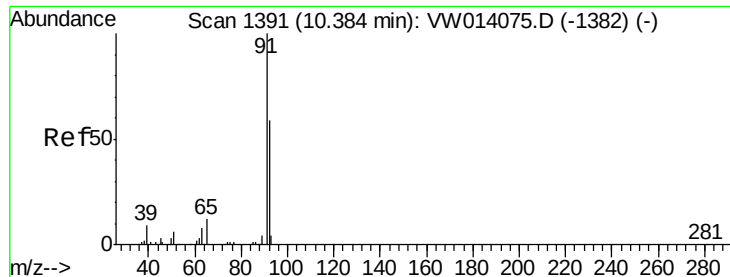
100000

50000

0

Time-->





#44

Toluene

Concen: 24.324 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

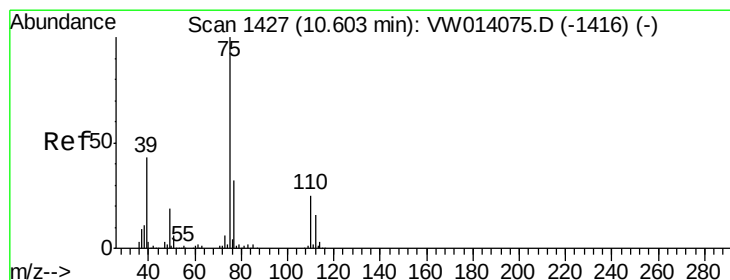
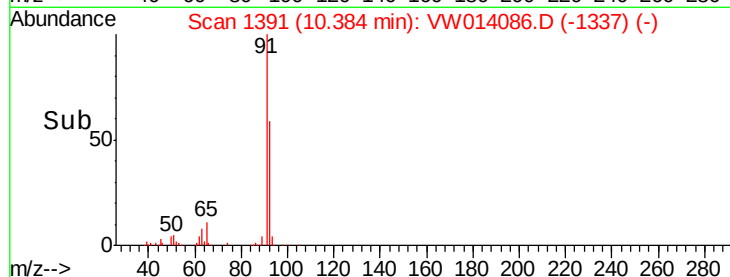
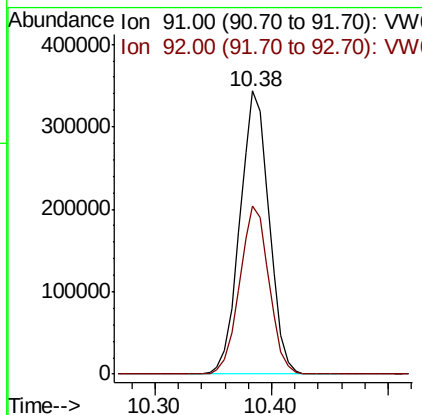
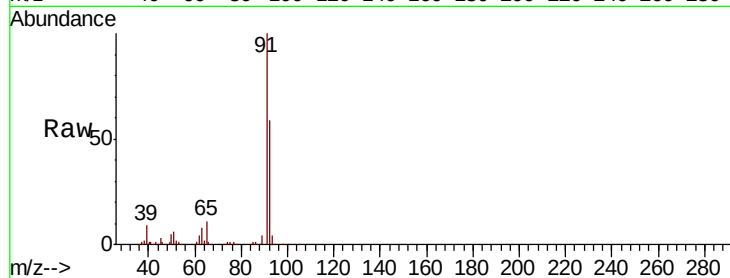
ClientSampleId :

Tot Ion: 91 Resp: 598861

Ion Ratio Lower Upper

91 100

92 59.4 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 23.754 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014086.D

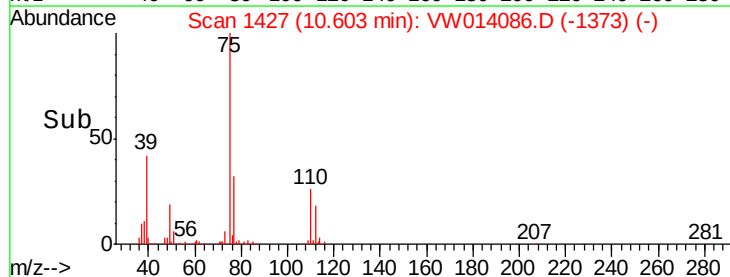
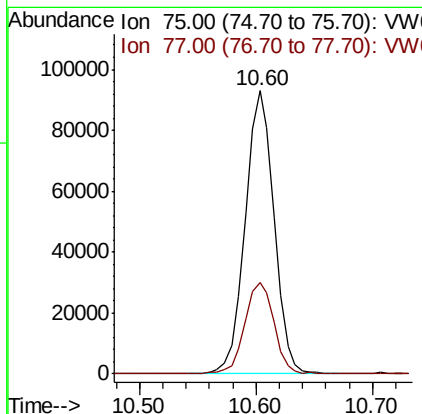
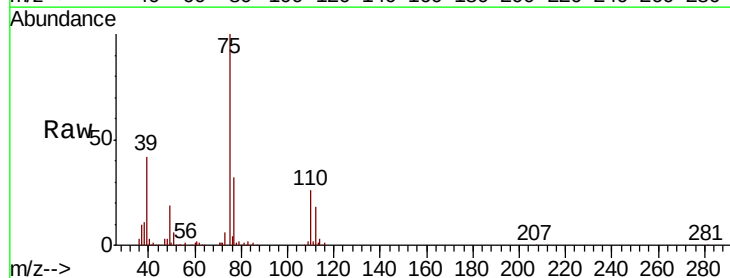
Acq: 20 Nov 2019 09:44

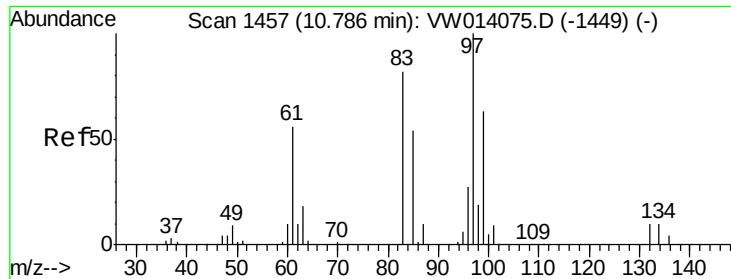
Tgt Ion: 75 Resp: 161136

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.6

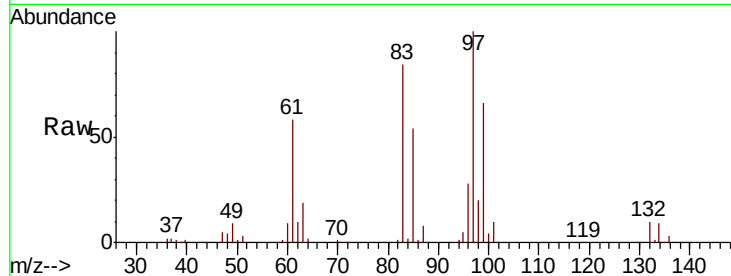




#46
 1,1,2-Trichloroethane
 Concen: 23.332 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014086.D
 Acq: 20 Nov 2019 09:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	93192
Ion	Ratio	Lower	Upper
97	100		
83	84.4	58.9	109.5
85	54.1	38.1	70.9
99	65.7	46.5	86.3



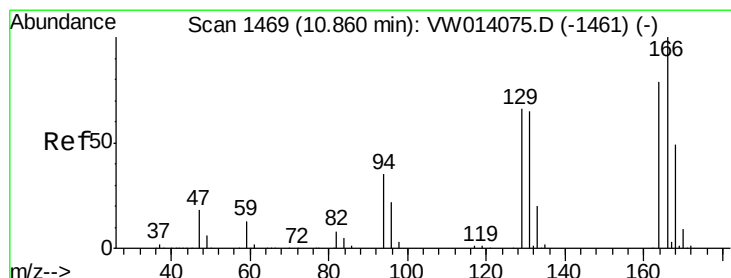
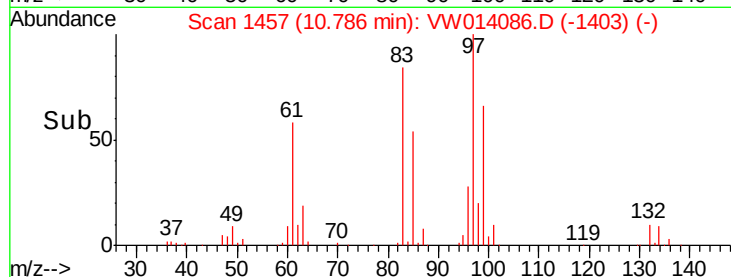
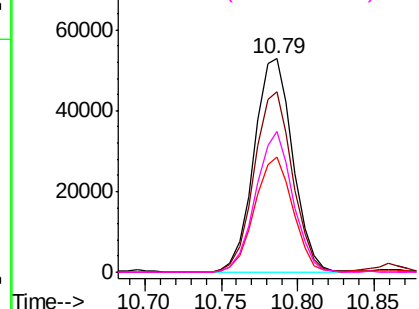
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

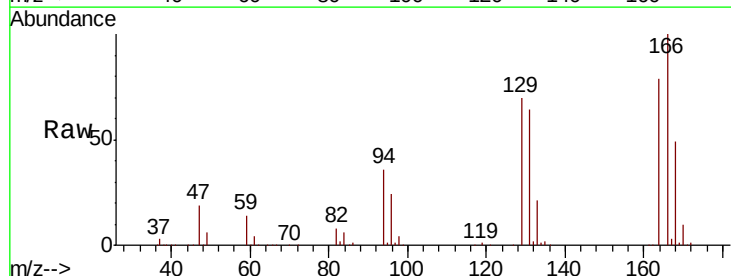
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 24.564 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW014086.D
 Acq: 20 Nov 2019 09:44

Tgt Ion:	164	Resp:	131881
Ion	Ratio	Lower	Upper
164	100		
129	88.5	60.6	112.6
131	80.5	59.1	109.7
166	126.7	90.8	168.6



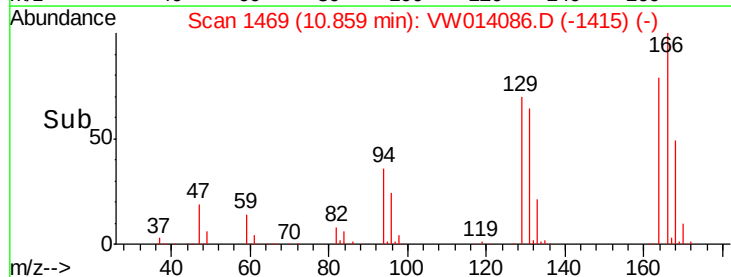
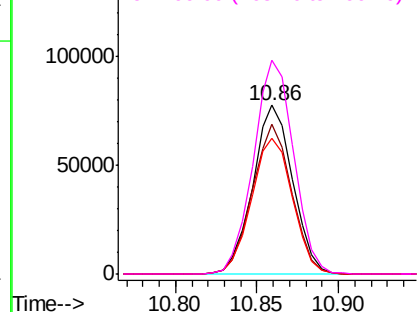
Abundance

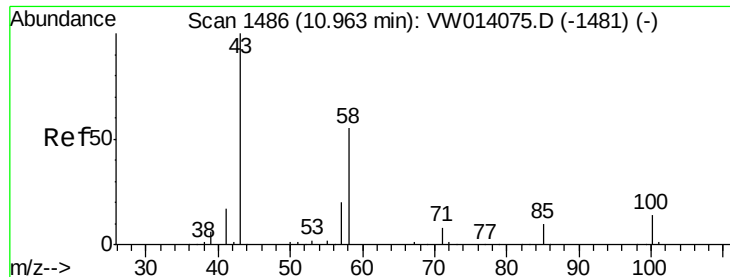
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 38.504 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 99632

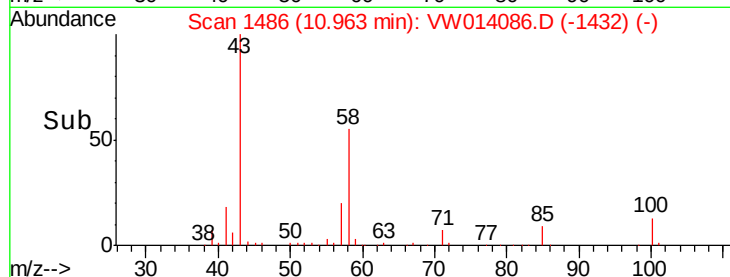
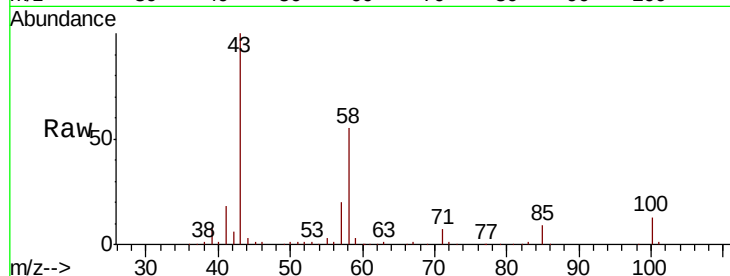
Ion Ratio Lower Upper

43 100

58 56.9 44.4 66.6

57 19.5 16.5 24.7

100 13.8 11.1 16.7

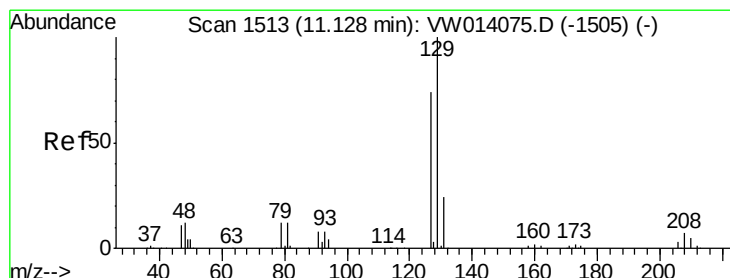
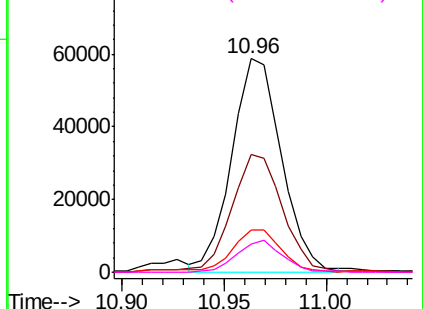


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.189 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW014086.D

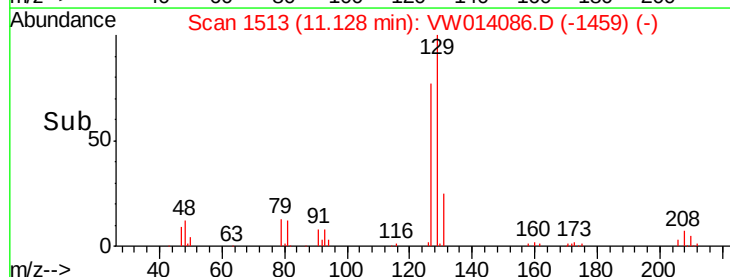
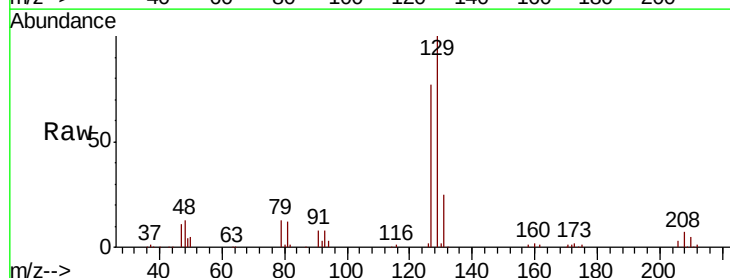
Acq: 20 Nov 2019 09:44

Tgt Ion: 129 Resp: 113559

Ion Ratio Lower Upper

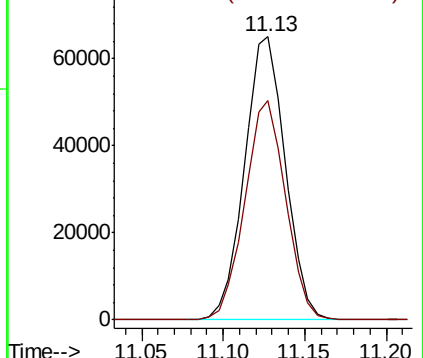
129 100

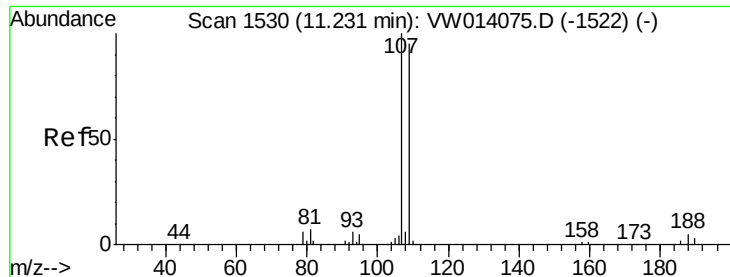
127 77.3 54.9 102.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

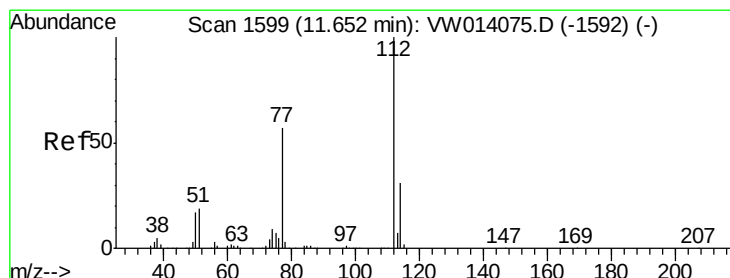
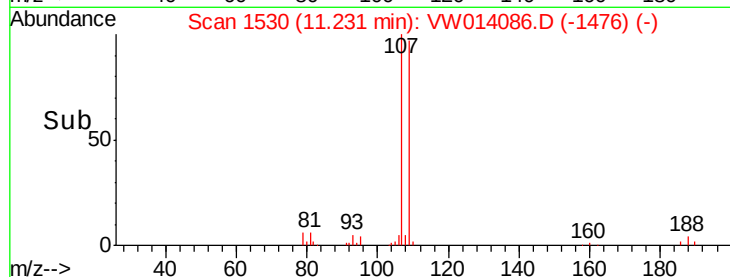
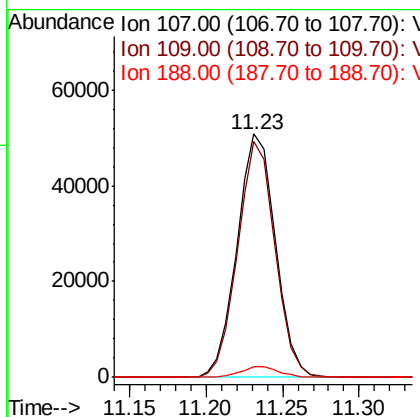
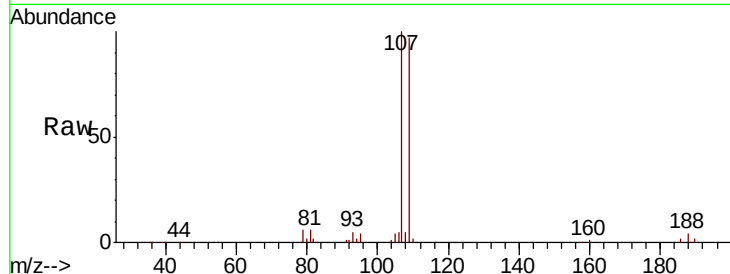




#51
 1,2-Dibromoethane
 Concen: 22.868 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014086.D
 Acq: 20 Nov 2019 09:44

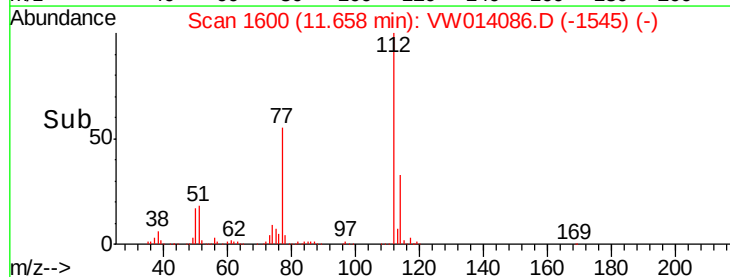
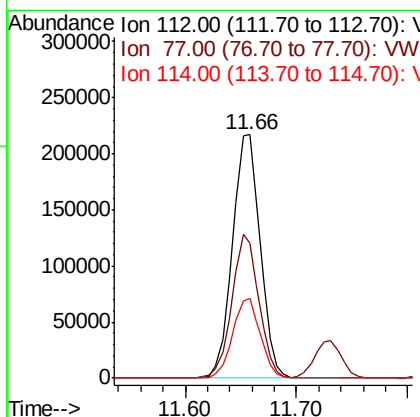
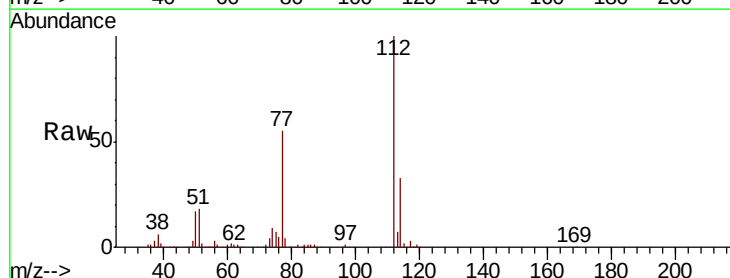
Instrument :
 MSVOA_W
 ClientSampleId :

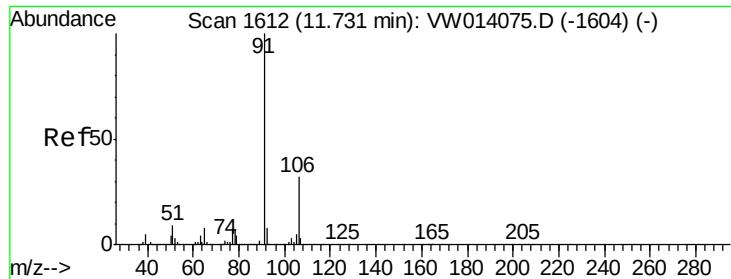
Tot Ion	107	Resp	88620
Ion Ratio	Lower	Upper	
107	100		
109	96.6	64.6	120.0
188	4.1	3.9	5.9



#52
 Chlorobenzene
 Concen: 24.136 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VW014086.D
 Acq: 20 Nov 2019 09:44

Tgt Ion	112	Resp	372523
Ion Ratio	Lower	Upper	
112	100		
77	55.4	42.2	63.4
114	32.7	22.5	41.9

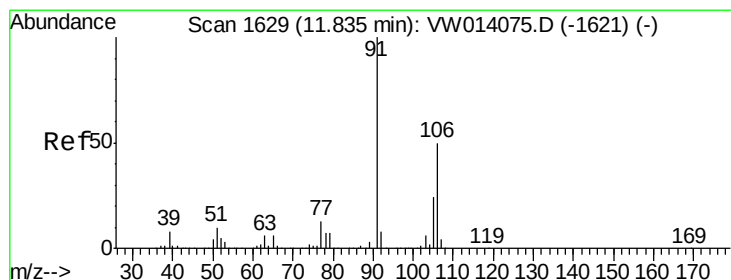
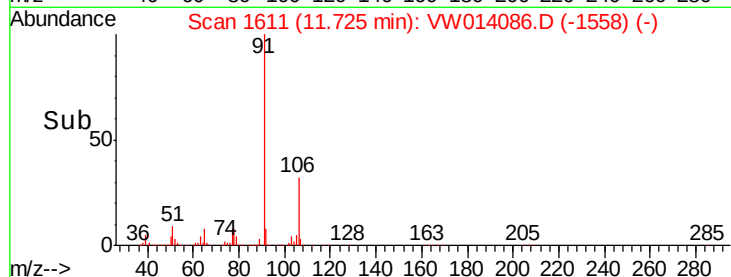
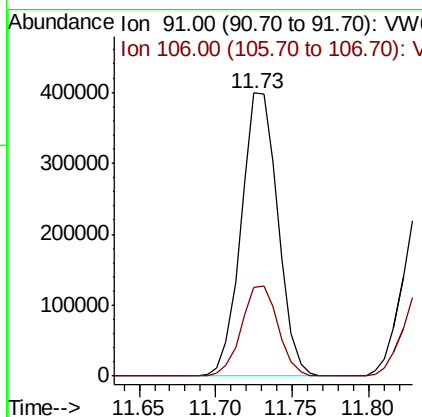
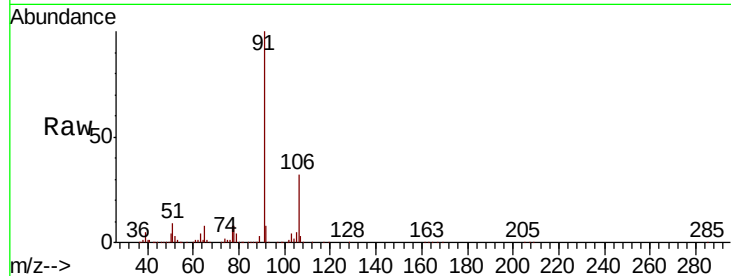




#53
Ethylbenzene
Concen: 24.590 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014086.D
Acq: 20 Nov 2019 09:44

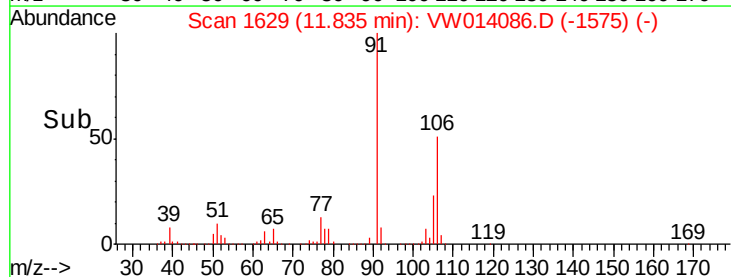
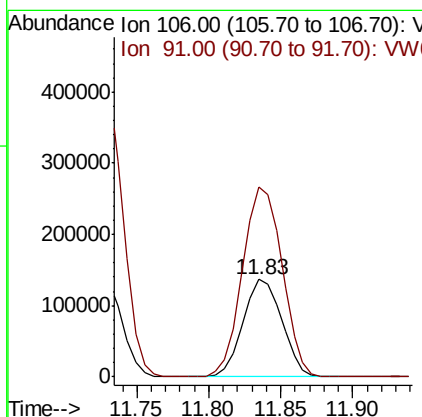
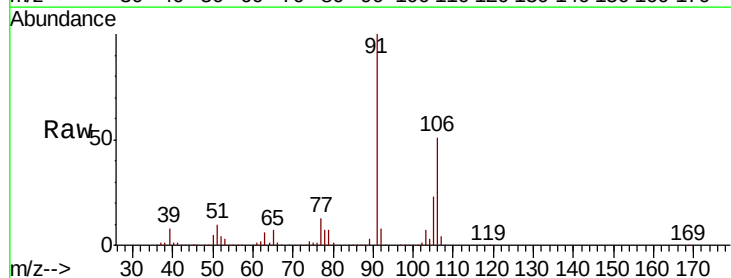
Instrument :
MSVOA_W
ClientSampleId :

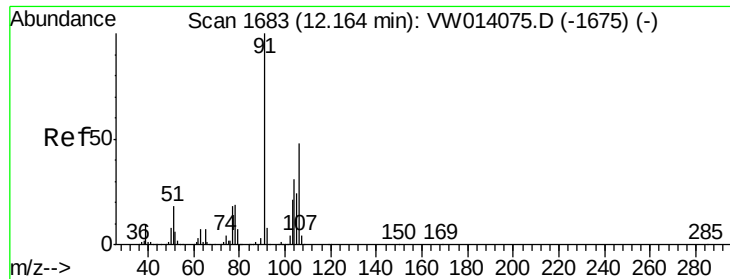
Tot Ion: 91 Resp: 664338
Ion Ratio Lower Upper
91 100
106 31.6 22.3 41.5



#54
m,p-Xylene
Concen: 24.440 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014086.D
Acq: 20 Nov 2019 09:44

Tgt Ion: 106 Resp: 256597
Ion Ratio Lower Upper
106 100
91 195.0 138.7 257.5

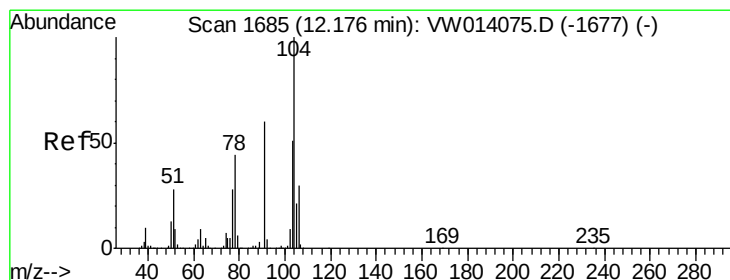
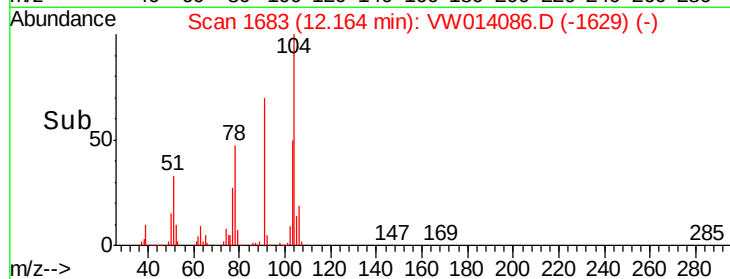
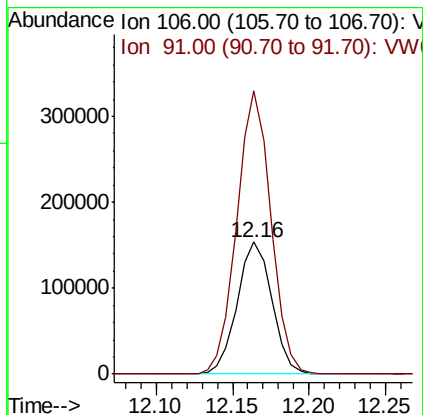
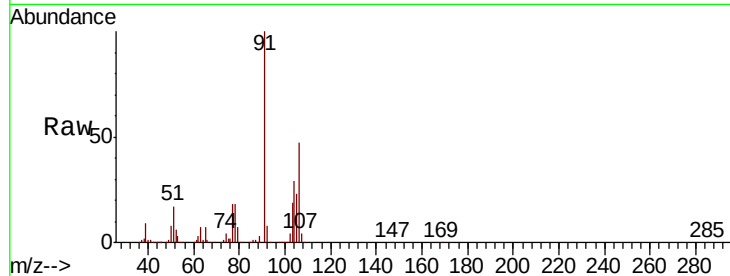




#55
o-xylene
Concen: 24.622 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014086.D
Acq: 20 Nov 2019 09:44

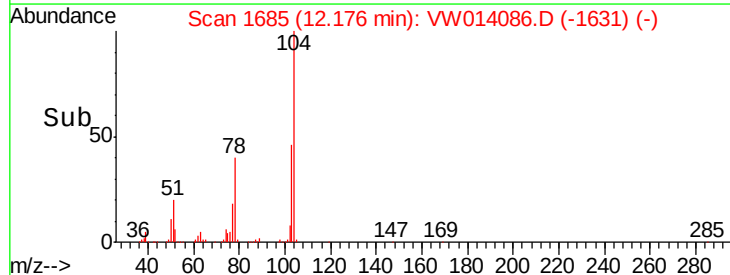
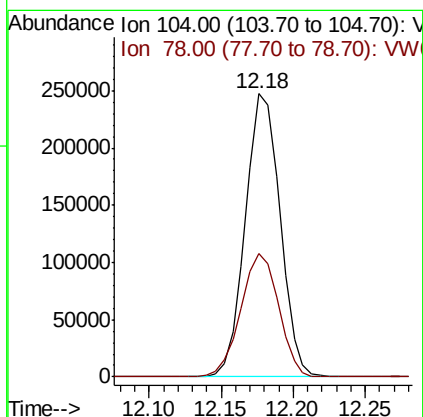
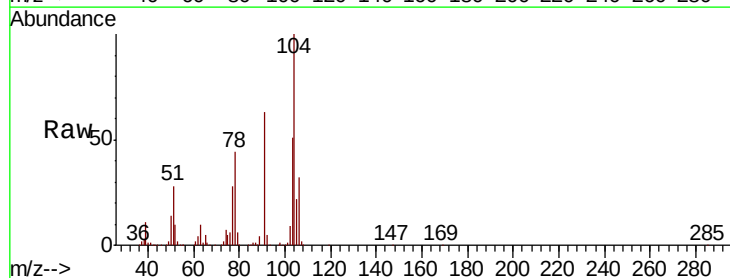
Instrument :
MSVOA_W
ClientSampled :

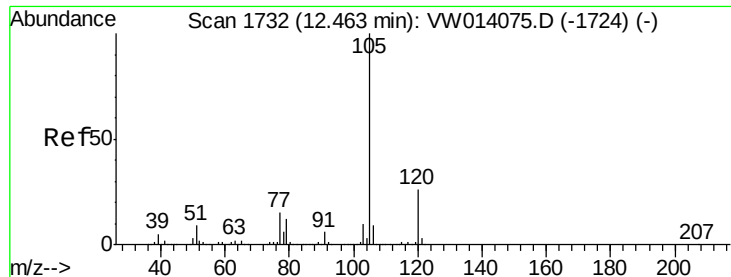
Tot Ion:106 Resp: 242075
Ion Ratio Lower Upper
106 100
91 214.4 148.3 275.5



#56
Styrene
Concen: 24.885 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014086.D
Acq: 20 Nov 2019 09:44

Tgt Ion:104 Resp: 413302
Ion Ratio Lower Upper
104 100
78 43.8 30.6 56.8





#57

Isopropylbenzene

Concen: 24.846 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

ClientSampled :

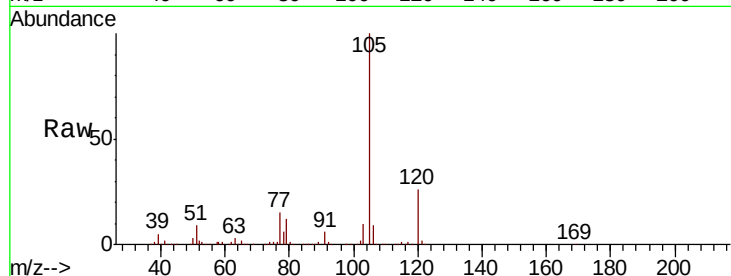
Tot Ion:105 Resp: 671645

Ion Ratio Lower Upper

105 100

120 26.7 21.6 32.4

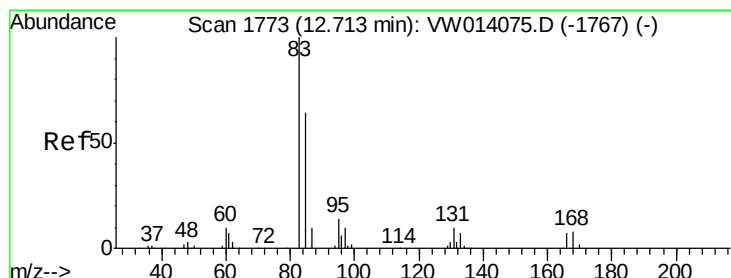
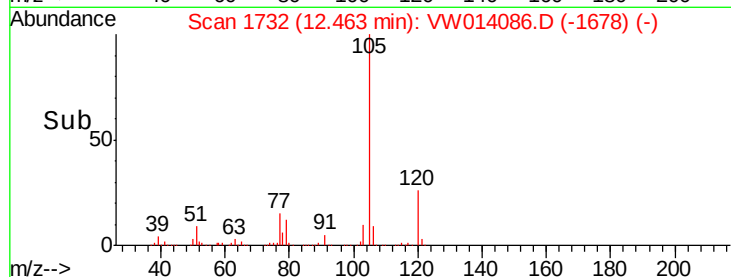
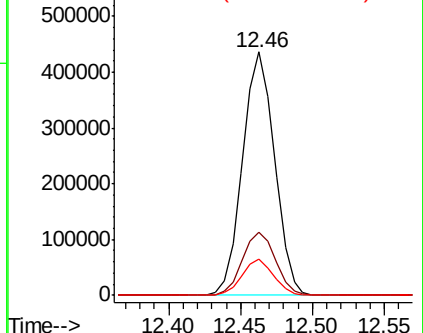
77 14.6 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 22.322 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

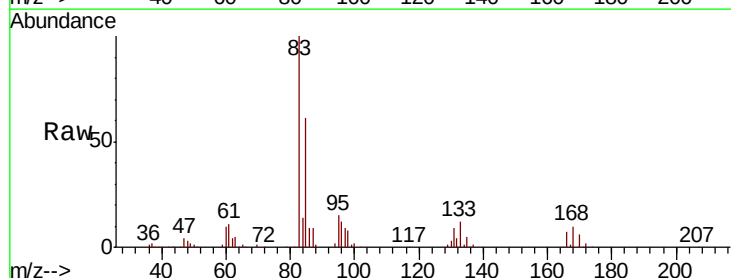
Tgt Ion: 83 Resp: 104091

Ion Ratio Lower Upper

83 100

85 61.3 43.7 81.1

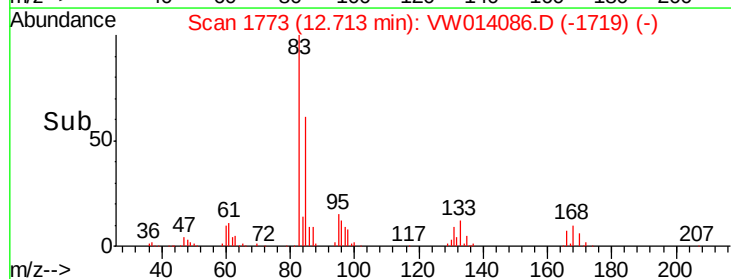
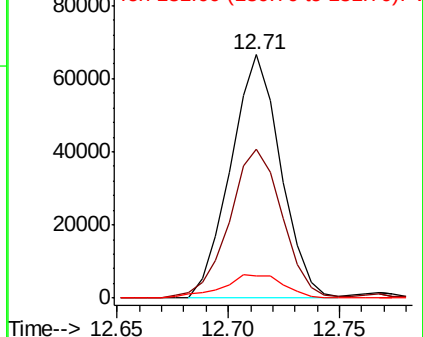
131 9.4 8.2 12.2

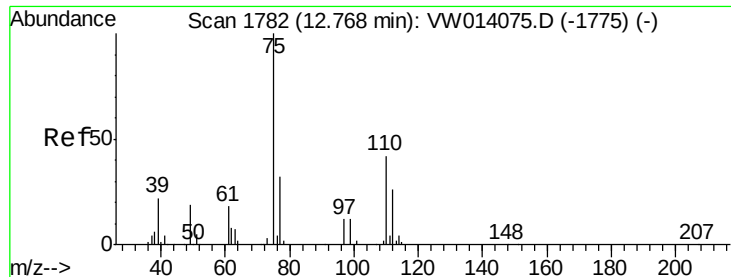


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

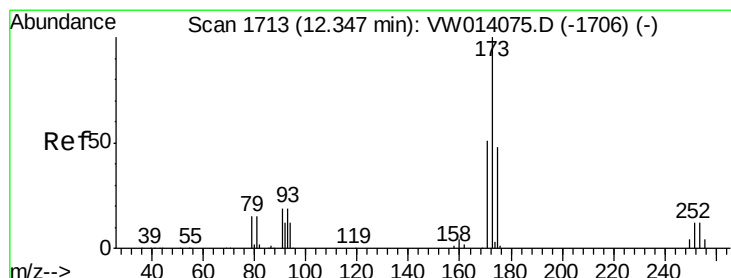
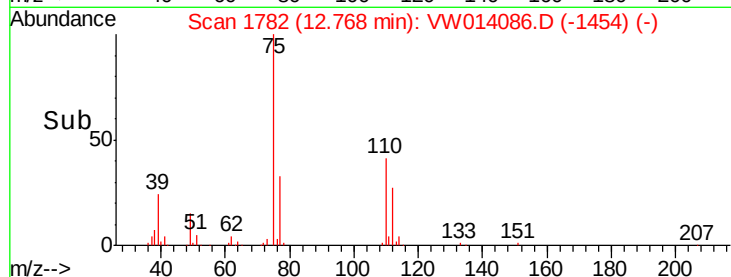
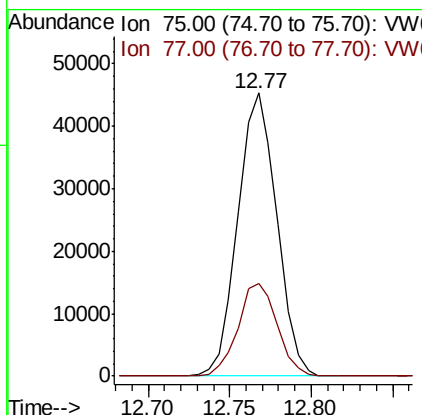
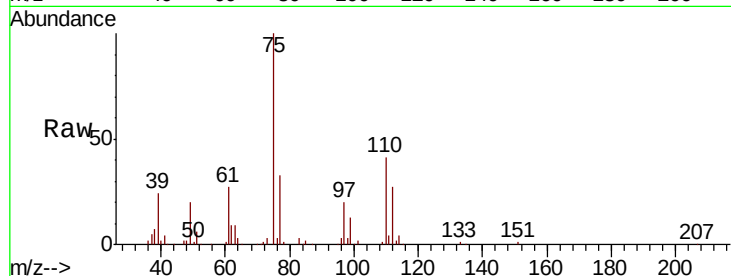




#59
1,2,3-Trichloropropane
Concen: 21.478 ug/L
RT: 12.77 min Scan# 1782
Delta R.T. -0.00 min
Lab File: VW014086.D
Acq: 20 Nov 2019 09:44

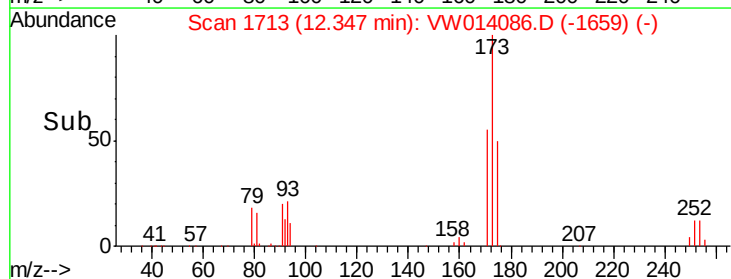
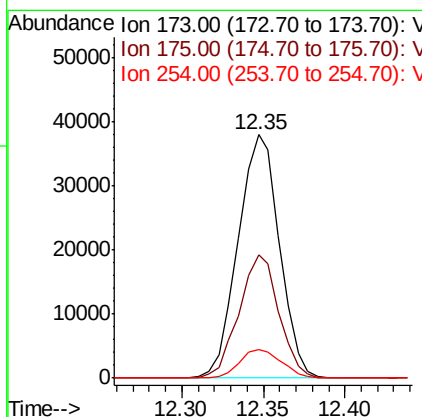
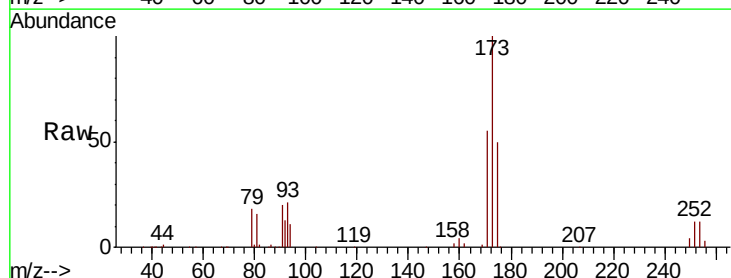
Instrument :
MSVOA_W
ClientSampled :

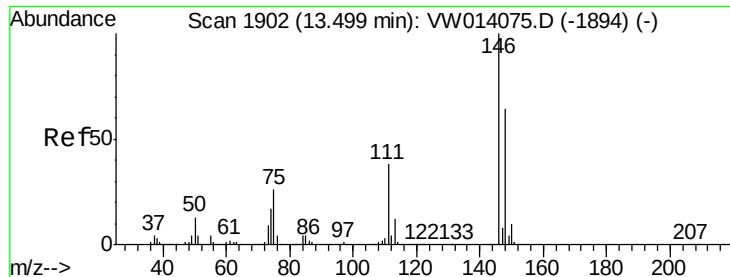
Tot Ion: 75 Resp: 75324
Ion Ratio Lower Upper
75 100
77 33.1 25.9 38.9



#62
Bromoform
Concen: 22.079 ug/L
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW014086.D
Acq: 20 Nov 2019 09:44

Tgt Ion: 173 Resp: 66852
Ion Ratio Lower Upper
173 100
175 49.0 38.8 58.2
254 11.9 9.4 14.0





#63

1,3-Dichlorobenzene

Concen: 23.115 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014086.D

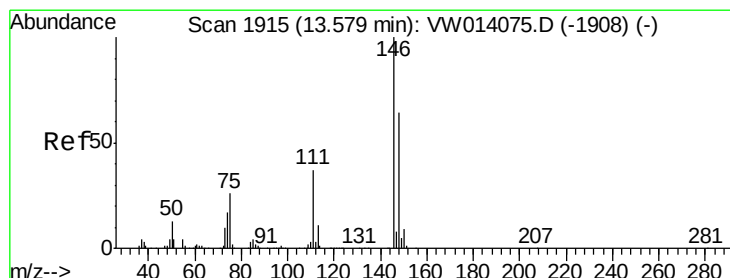
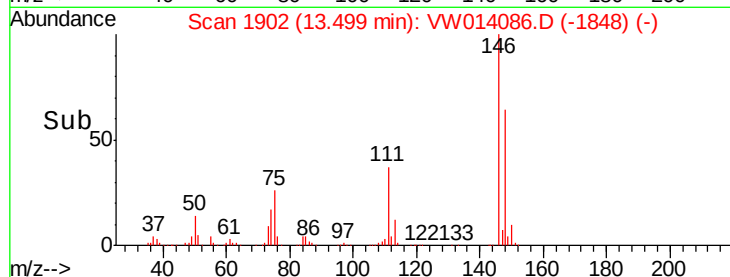
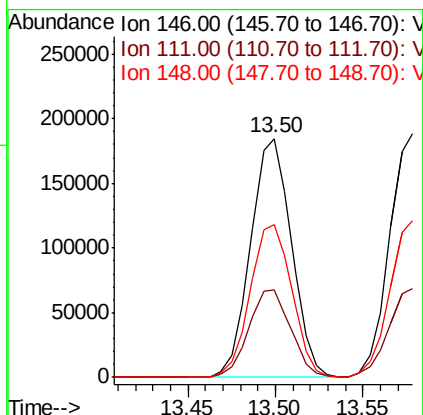
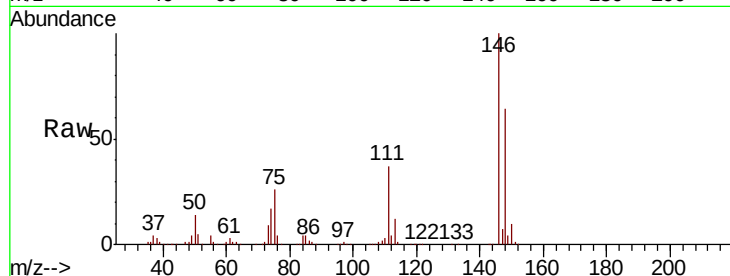
Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:146	Resp:	299880
Ion Ratio	Lower	Upper
146	100	
111	36.8	26.0 48.2
148	64.0	44.7 82.9



#64

1,4-Dichlorobenzene

Concen: 23.525 ug/L

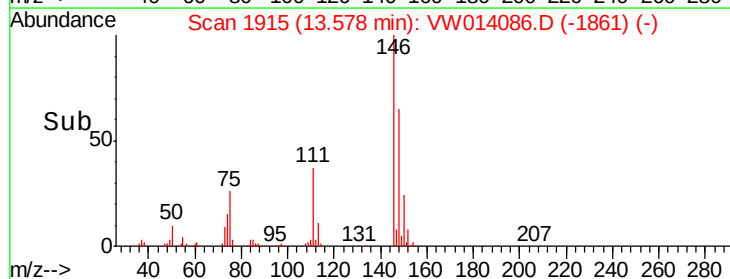
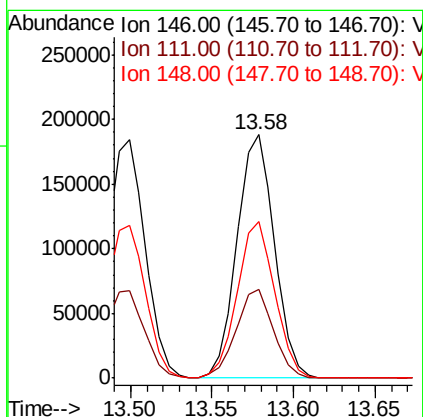
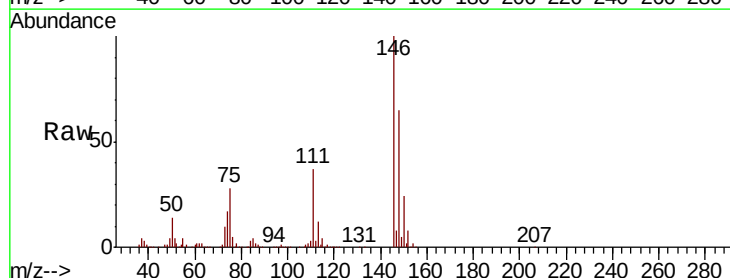
RT: 13.58 min Scan# 1915

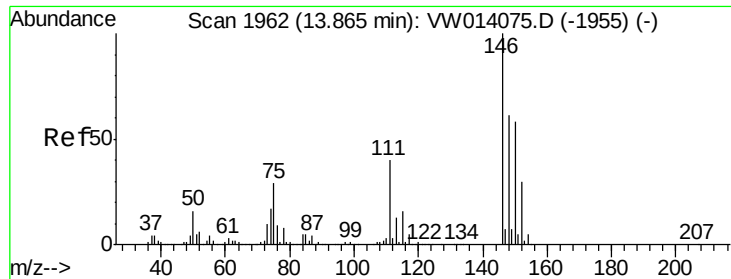
Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Tgt Ion:146	Resp:	301536
Ion Ratio	Lower	Upper
146	100	
111	36.6	24.9 46.3
148	64.5	43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 23.316 ug/L

RT: 13.86 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VW014086.D

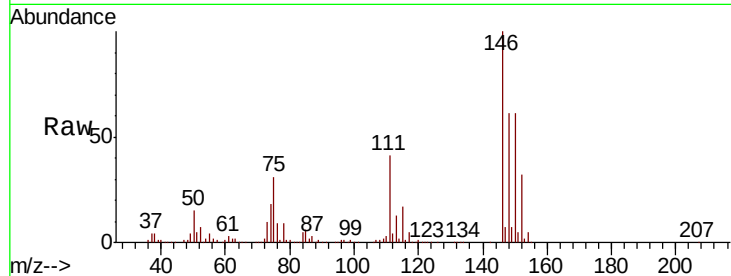
Acq: 20 Nov 2019 09:44

Instrument :

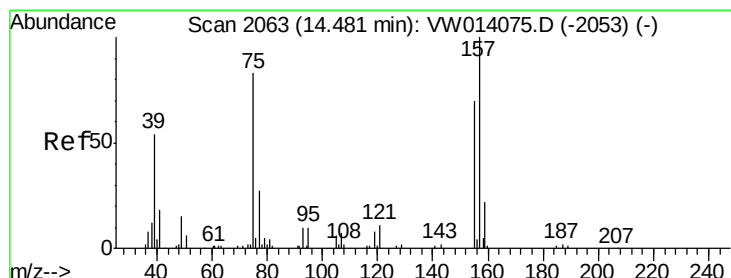
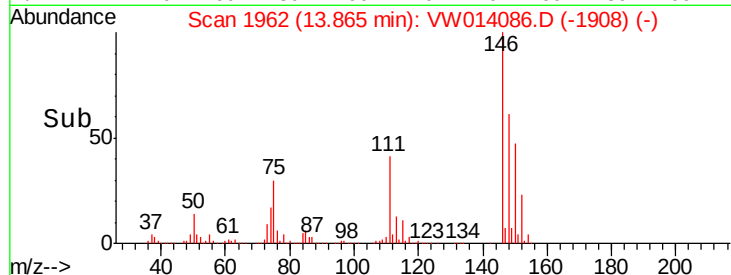
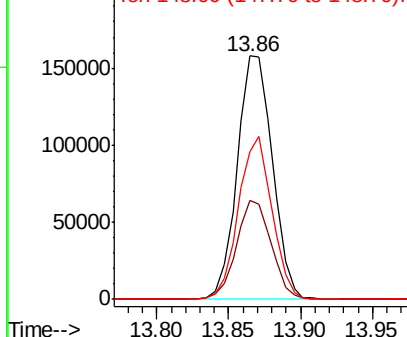
MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	267857
Ion	Ratio	Lower	Upper
146	100		
111	40.8	30.5	45.7
148	60.9	49.4	74.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 19.014 ug/L

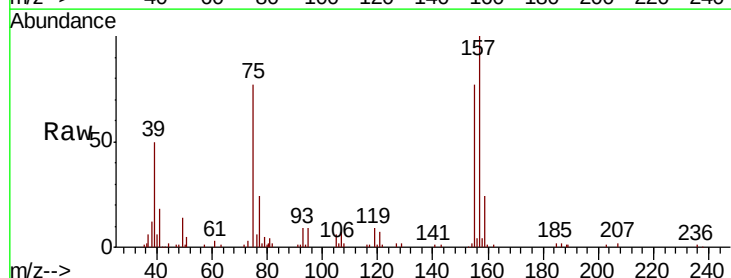
RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

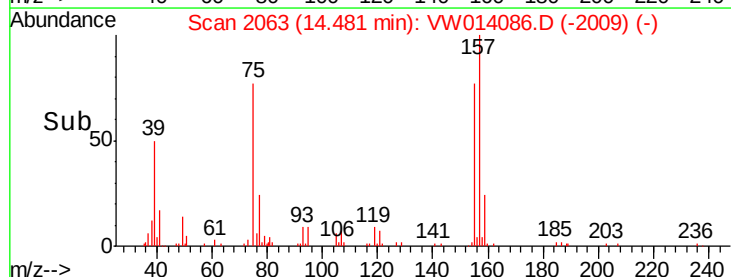
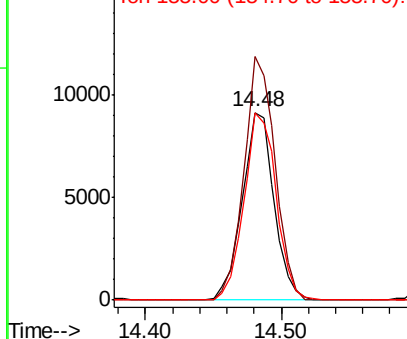
Lab File: VW014086.D

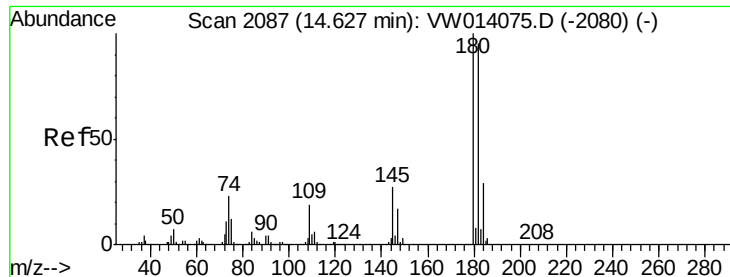
Acq: 20 Nov 2019 09:44

Tgt Ion:	75	Resp:	14876
Ion	Ratio	Lower	Upper
75	100		
157	129.8	96.9	145.3
155	99.7	82.9	124.3



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 157.00 (156.70 to 157.70): V
Ion 155.00 (154.70 to 155.70): V

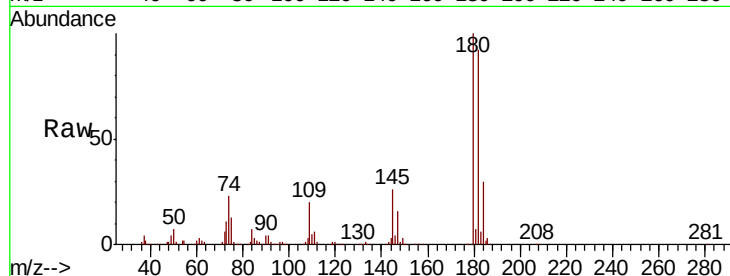




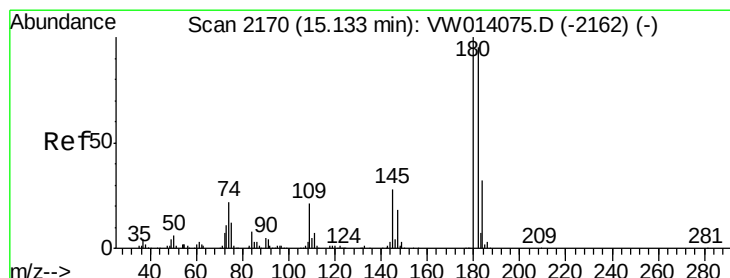
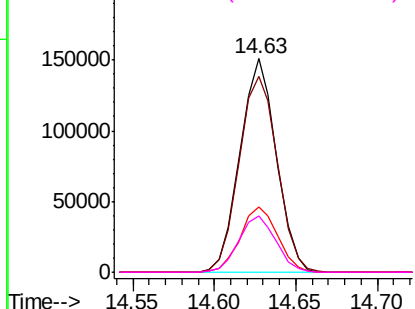
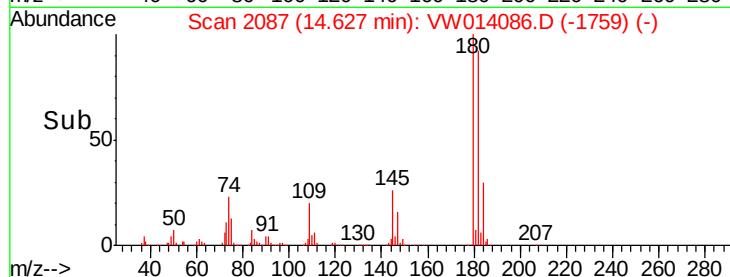
#67
 1,3,5-Trichlorobenzene
 Concen: 23.714 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014086.D
 Acq: 20 Nov 2019 09:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	234459
Ion	Ratio	Lower Upper
180	100	
182	96.4	76.2 114.2
184	31.2	24.3 36.5
145	26.8	21.9 32.9

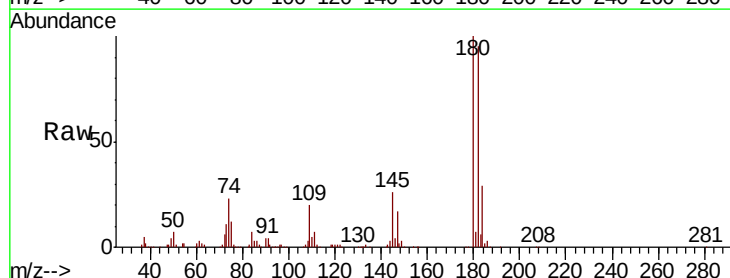


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

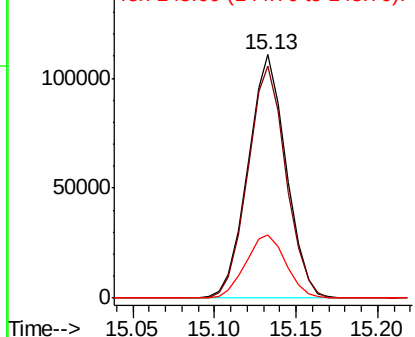
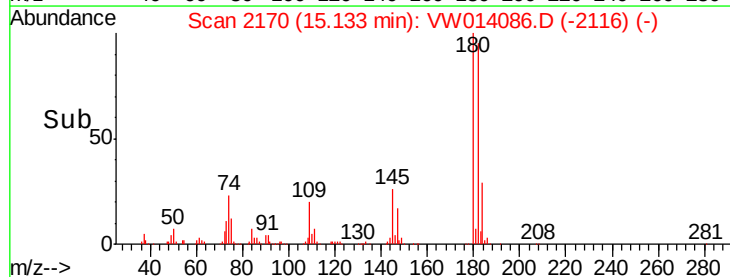


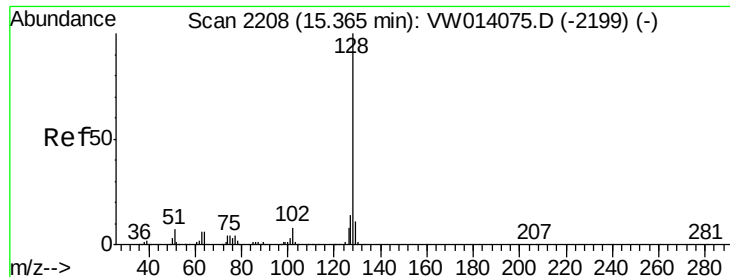
#68
 1,2,4-trichlorobenzene
 Concen: 23.110 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014086.D
 Acq: 20 Nov 2019 09:44

Tgt Ion:180	Resp:	179656
Ion	Ratio	Lower Upper
180	100	
182	95.3	75.8 113.8
145	27.2	22.4 33.6



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





#69

Naphthalene

Concen: 19.929 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

Instrument :

MSVOA_W

ClientSampleId :

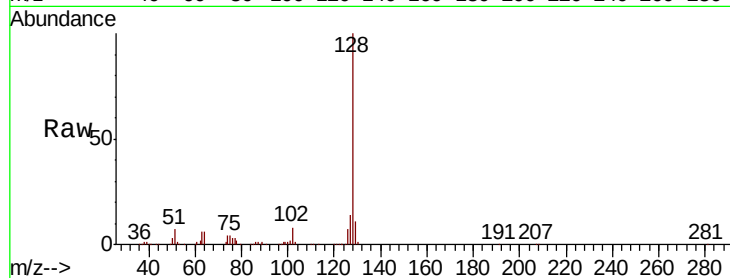
Tot Ion:128 Resp: 275236

Ion Ratio Lower Upper

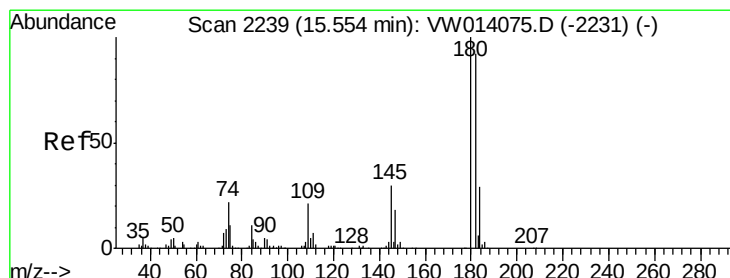
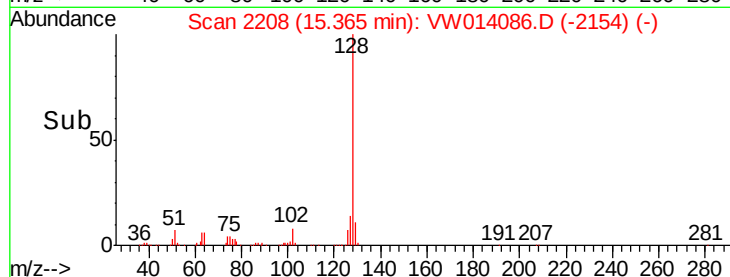
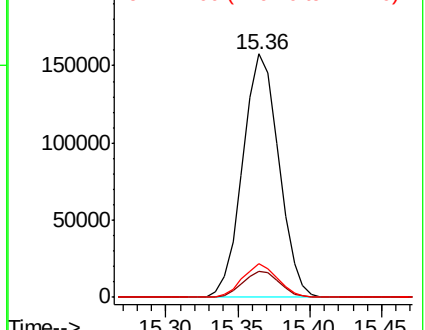
128 100

129 10.8 8.8 13.2

127 13.3 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: 22.636 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014086.D

Acq: 20 Nov 2019 09:44

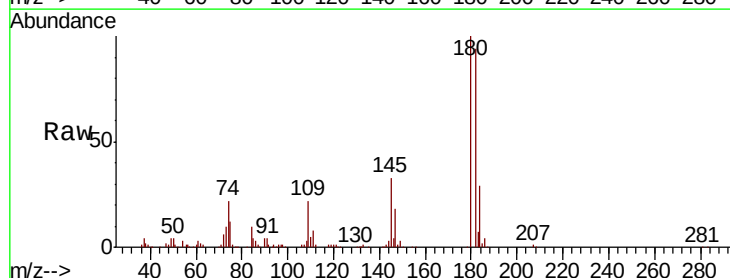
Tgt Ion:180 Resp: 155299

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.6

145 30.5 24.0 36.0



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

