

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011420\
 Data File : VW014643.D
 Acq On : 14 Jan 2020 20:12
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.01G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 15 01:52:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 01:48:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1113007	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	998598	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	490277	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	344170	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.72%
7) Chloroethane-d5	2.89	69	292962	25.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.36%
10) 1,1-Dichloroethene-d2	4.03	63	690190	24.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.20%
20) 2-Butanone-d5	7.07	46	212348	56.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.76%
24) Chloroform-d	7.65	84	685277	26.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.04%
26) 1,2-Dichloroethane-d4	8.31	65	349532	26.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.20%
29) Benzene-d6	8.27	84	1442956	27.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.68%
33) 1,2-Dichloropropane-d6	9.27	67	443172	27.76	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.04%
37) Toluene-d8	10.32	98	1326673	27.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.24%
38) trans-1,3-Dichloropropene-	10.57	79	179120	27.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.64%
39) 2-Hexanone-d5	10.92	63	174351	63.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	345693	28.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	462963	28.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	221548	22.251	ug/L	98
3) Chloromethane	2.21	50	222541	19.770	ug/L	97
5) Vinyl chloride	2.36	62	374153	23.361	ug/L	99
6) Bromomethane	2.78	94	224711	24.027	ug/L	99
8) Chloroethane	2.92	64	218362	24.381	ug/L	99
9) Trichlorofluoromethane	3.26	101	175591	20.727	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	344449	23.685	ug/L	100
12) 1,1-Dichloroethene	4.04	96	348722	24.487	ug/L	96
13) Acetone	4.12	43	209721	40.571	ug/L	98
14) Carbon disulfide	4.39	76	1012683	23.032	ug/L	98
15) Methyl Acetate	4.67	43	174068	24.955	ug/L	98
16) Methylene chloride	4.92	84	386113	21.274	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	507381	27.679	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	363978	24.262	ug/L	99
19) 1,1-Dichloroethane	6.21	63	654014	24.117	ug/L	100
21) 2-Butanone	7.17	43	264175	47.633	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	392243	24.840	ug/L	97

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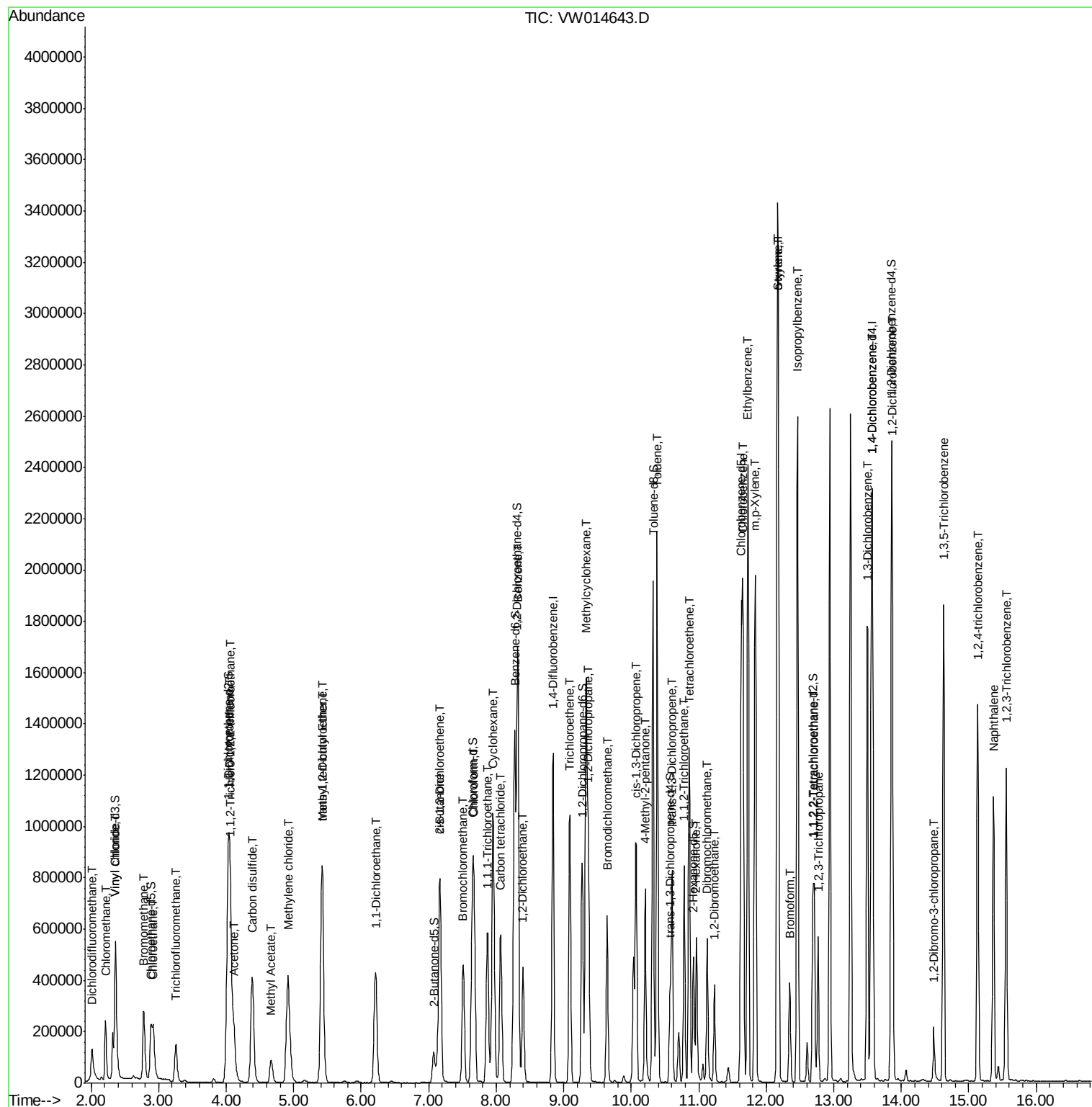
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	172272	25.201	ug/L	97
25) Chloroform	7.67	83	636887	24.554	ug/L	100
27) 1,2-Dichloroethane	8.40	62	404237	24.007	ug/L	98
30) Cyclohexane	7.95	56	635552	24.881	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	487247	23.786	ug/L	100
32) Carbon tetrachloride	8.07	117	458134	24.005	ug/L	98
34) Benzene	8.32	78	1504945	25.043	ug/L	100
35) Trichloroethene	9.09	95	377892	24.365	ug/L	98
36) Methylcyclohexane	9.34	83	662595	24.352	ug/L	100
40) 1,2-Dichloropropane	9.37	63	375247	24.671	ug/L	100
41) Bromodichloromethane	9.64	83	449699	24.580	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	580245	25.538	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	495355	50.732	ug/L	100
44) Toluene	10.38	91	1597242	25.434	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	461860	25.422	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	273719	25.407	ug/L	99
47) Tetrachloroethene	10.86	164	316084	24.271	ug/L	98
49) 2-Hexanone	10.96	43	359868	53.972	ug/L	98
50) Dibromochloromethane	11.13	129	311530	25.466	ug/L	94
51) 1,2-Dibromoethane	11.23	107	259170	25.484	ug/L	99
52) Chlorobenzene	11.65	112	995887	25.086	ug/L	98
53) Ethylbenzene	11.73	91	1737880	25.169	ug/L	99
54) m,p-Xylene	11.84	106	665724	25.478	ug/L	97
55) o-xylene	12.16	106	634870	25.723	ug/L	100
56) Styrene	12.18	104	1091719	26.281	ug/L	98
57) Isopropylbenzene	12.46	105	1691778	25.769	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	333580	25.501	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	244579	24.959	ug/L	100
62) Bromoform	12.35	173	184822	25.227	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	797369	25.689	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	780446	24.936	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	719355	25.852	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	53883	26.150	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	618756	26.910	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	509410	29.554	ug/L	99
69) Naphthalene	15.36	128	972246	32.672	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	466054	29.838	ug/L	99

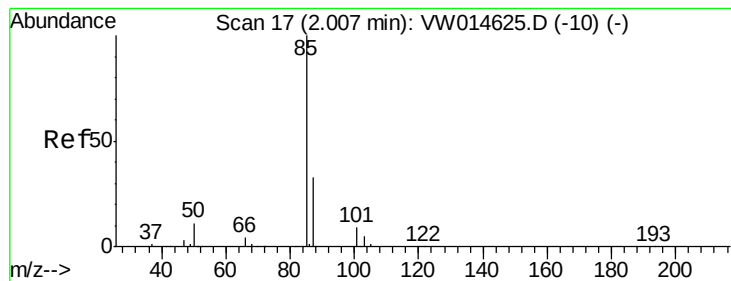
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.251 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

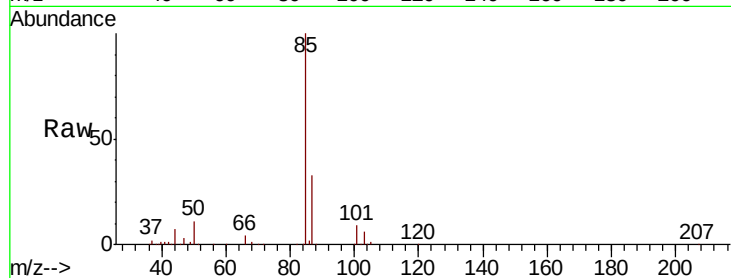
ClientSampleId :

Tot Ion: 85 Resp: 221548

Ion Ratio Lower Upper

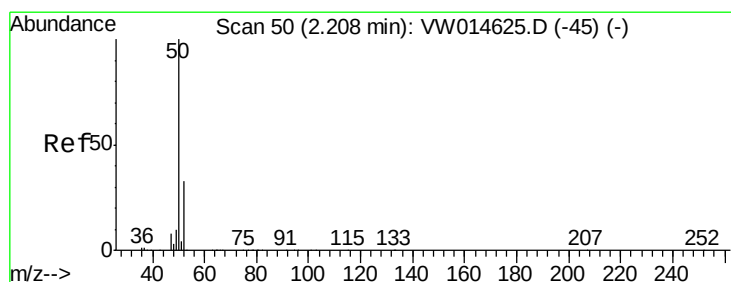
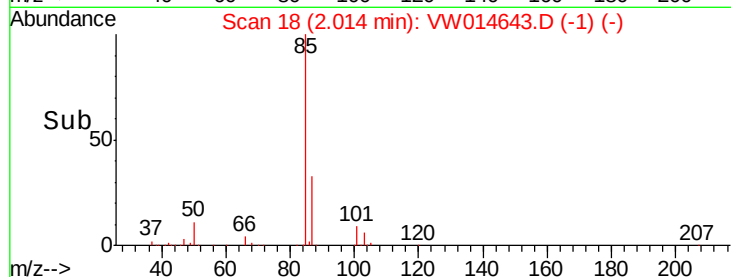
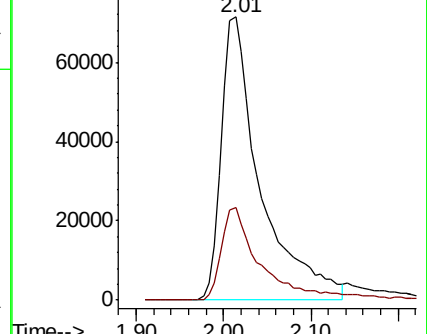
85 100

87 29.8 21.5 39.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 19.770 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014643.D

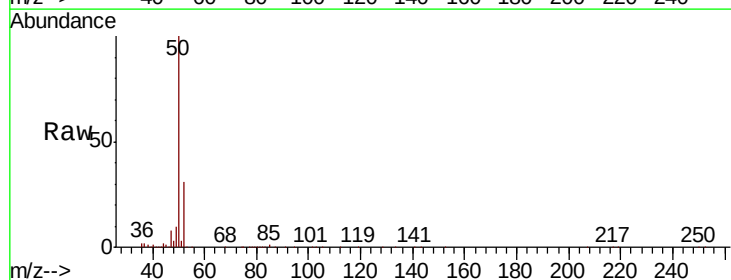
Acq: 14 Jan 2020 20:12

Tgt Ion: 50 Resp: 222541

Ion Ratio Lower Upper

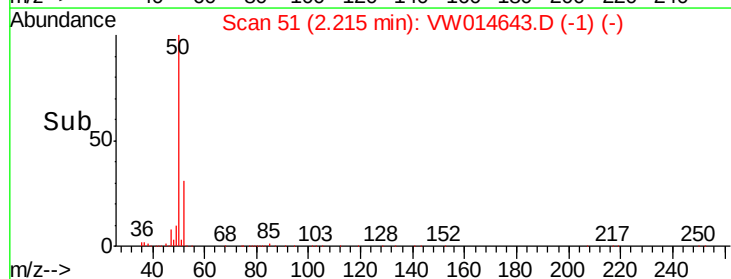
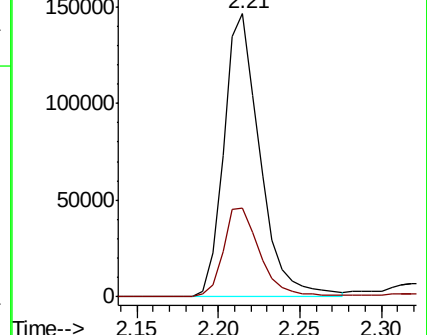
50 100

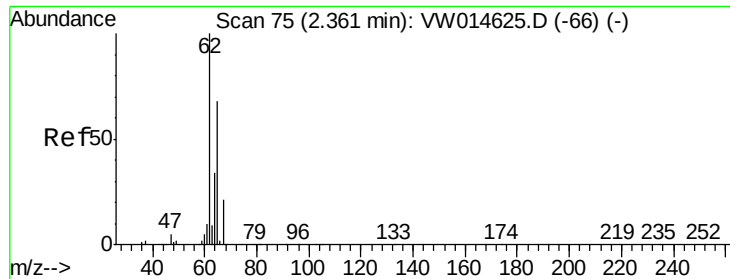
52 31.4 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.361 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

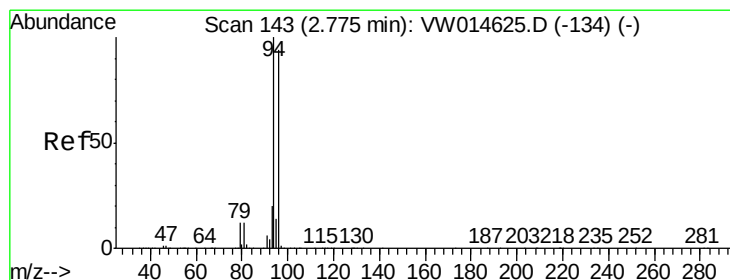
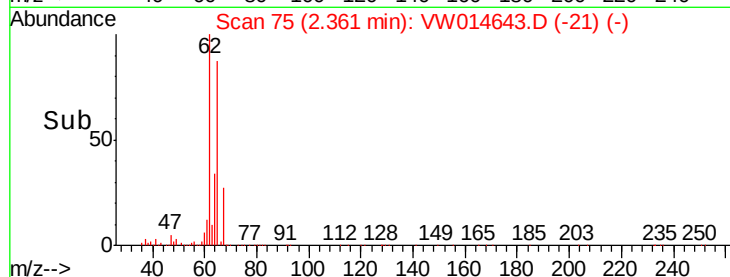
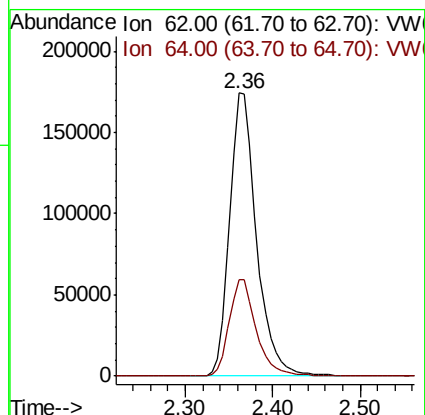
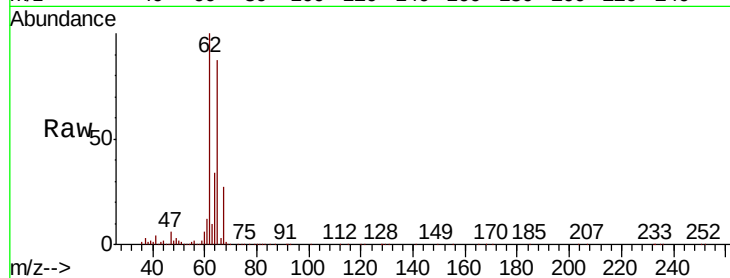
ClientSampled :

Tot Ion: 62 Resp: 374153

Ion Ratio Lower Upper

62 100

64 34.1 24.1 44.8



#6

Bromomethane

Concen: 24.027 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014643.D

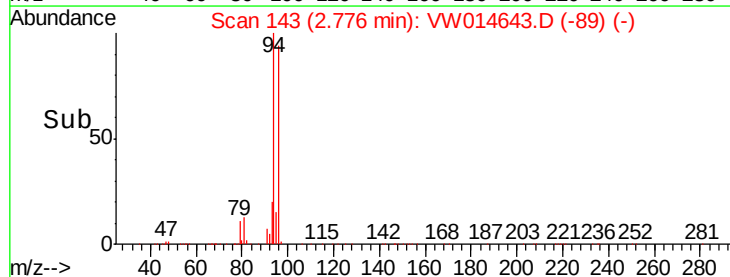
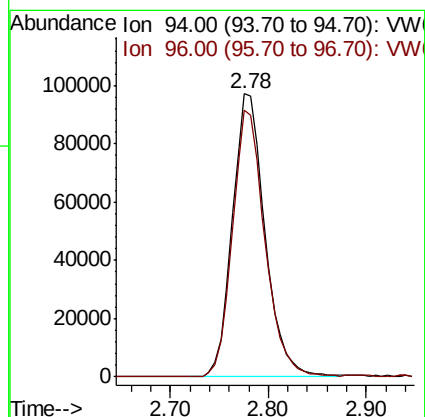
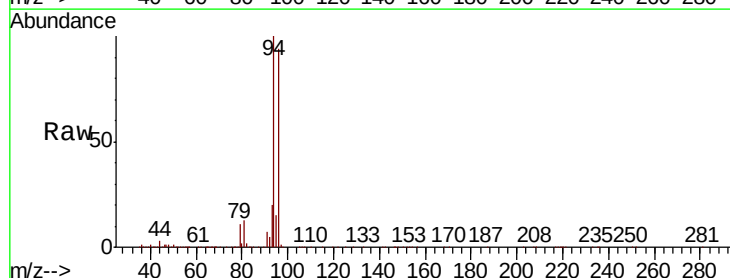
Acq: 14 Jan 2020 20:12

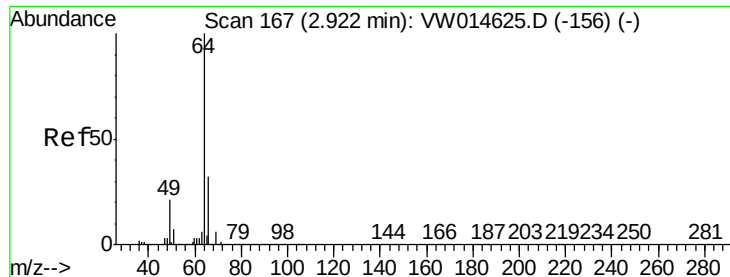
Tgt Ion: 94 Resp: 224711

Ion Ratio Lower Upper

94 100

96 93.1 9.4 178.8





#8

Chloroethane

Concen: 24.381 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

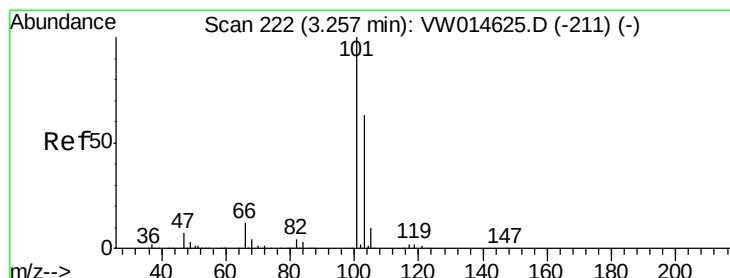
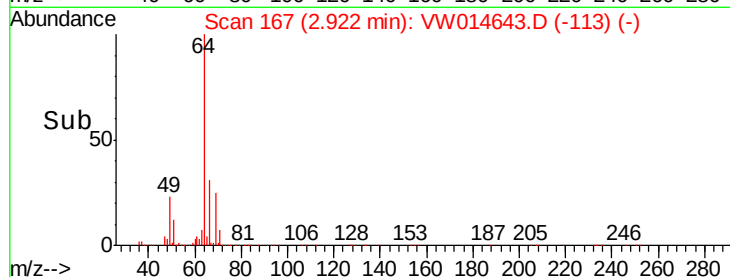
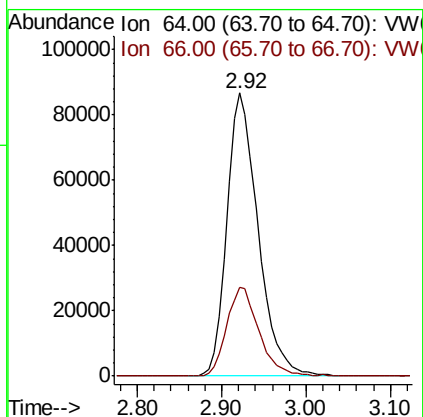
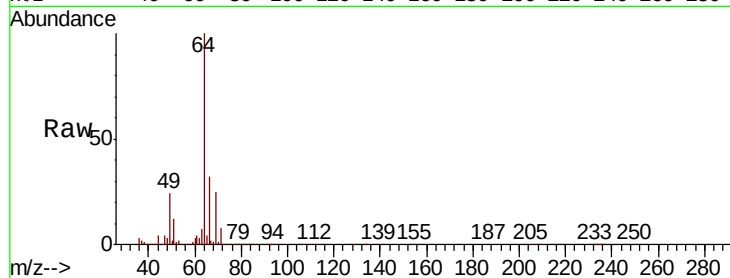
ClientSampleId :

Tot Ion: 64 Resp: 218362

Ion Ratio Lower Upper

64 100

66 31.5 22.5 41.7



#9

Trichlorofluoromethane

Concen: 20.727 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014643.D

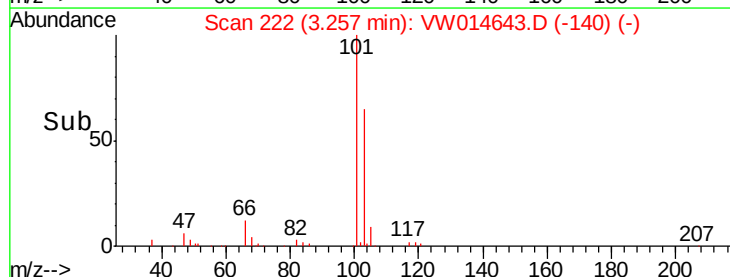
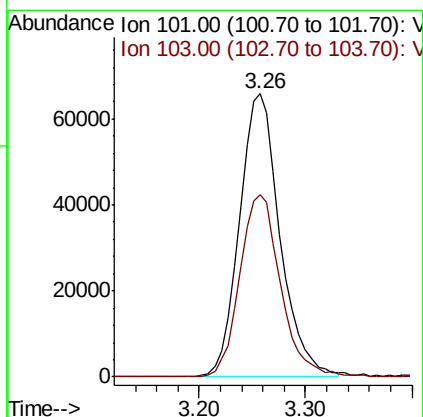
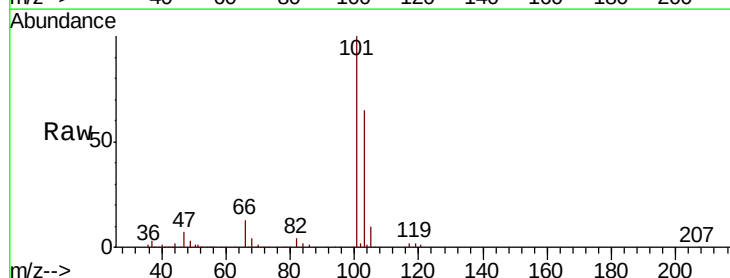
Acq: 14 Jan 2020 20:12

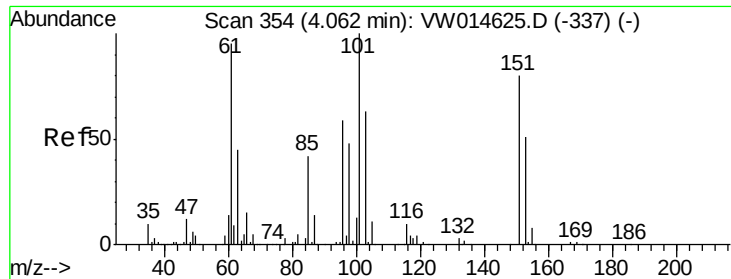
Tgt Ion: 101 Resp: 175591

Ion Ratio Lower Upper

101 100

103 64.7 45.5 84.5





#11

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

Concen: 23.685 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

ClientSampled :

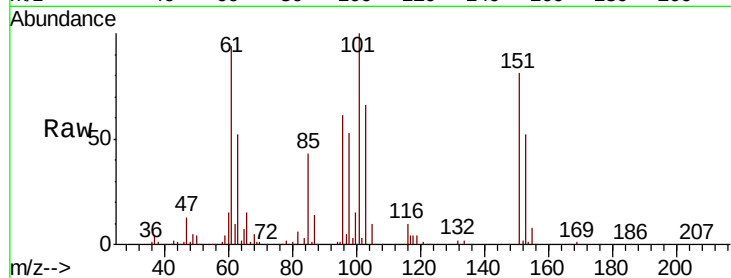
Tot Ion:101 Resp: 344449

Ion Ratio Lower Upper

101 100

85 41.7 33.3 49.9

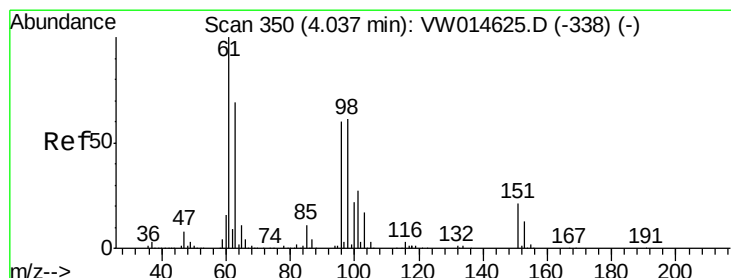
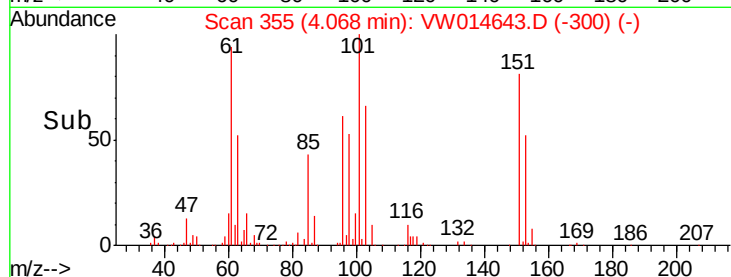
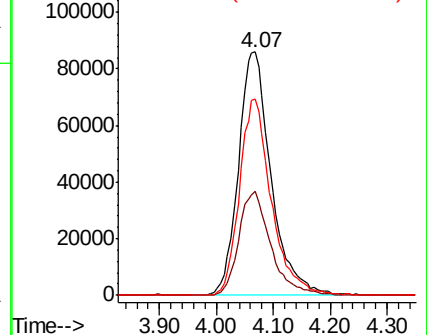
151 78.5 62.5 93.7



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: 24.487 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

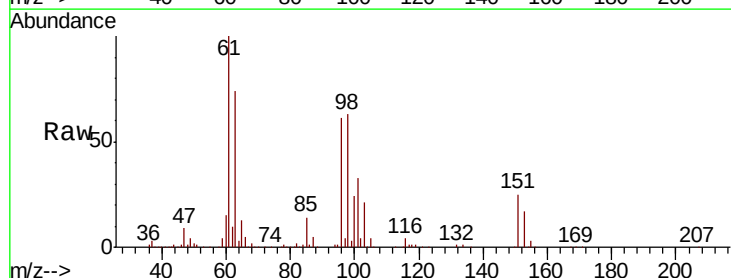
Tgt Ion: 96 Resp: 348722

Ion Ratio Lower Upper

96 100

61 165.1 114.2 212.0

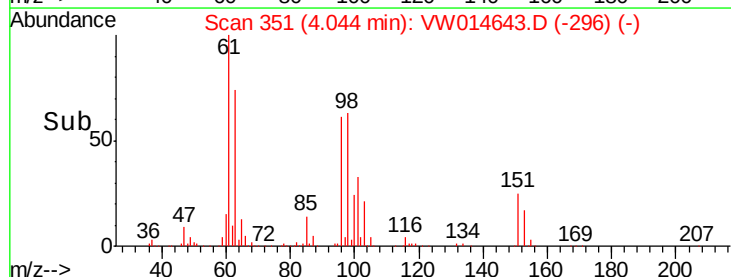
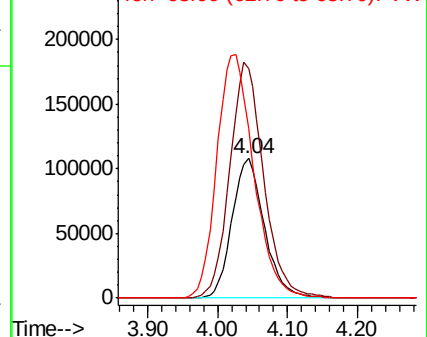
63 121.7 78.6 146.0

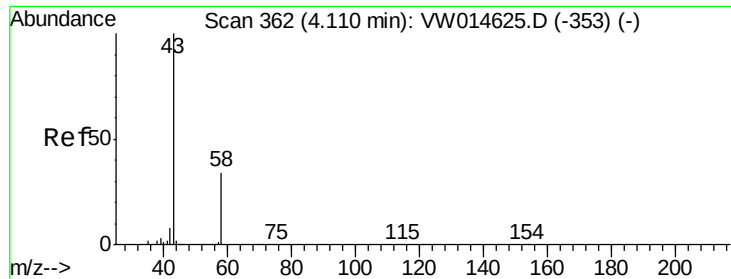


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

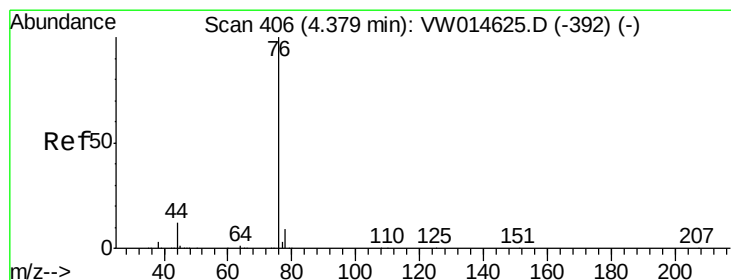
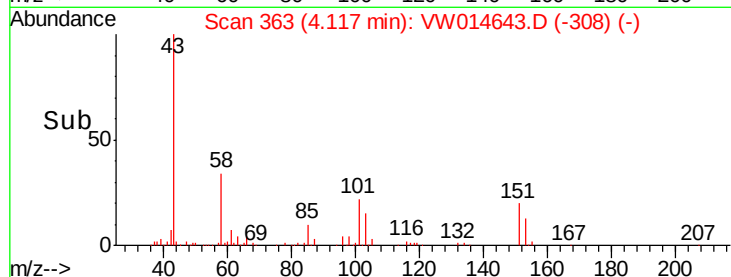
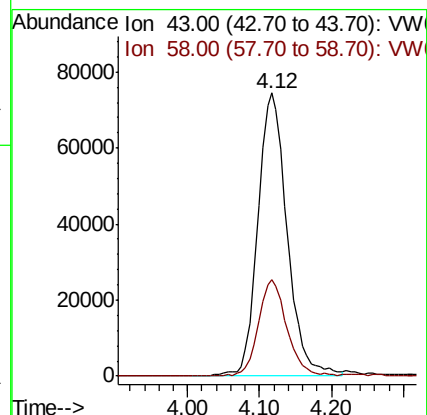
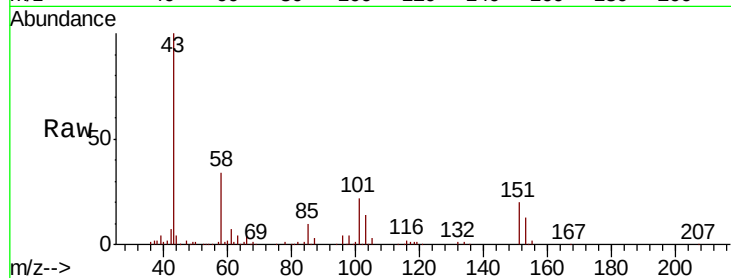




#13
Acetone
Concen: 40.571 ug/L
RT: 4.12 min Scan# 363
Delta R.T. 0.01 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

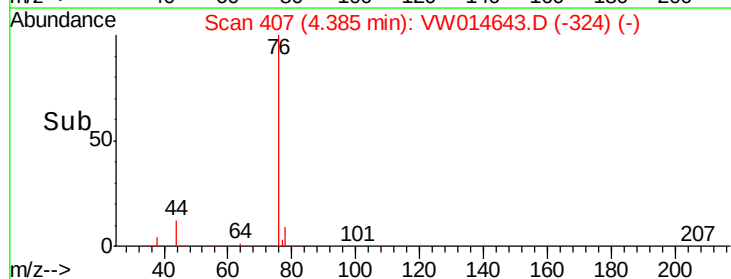
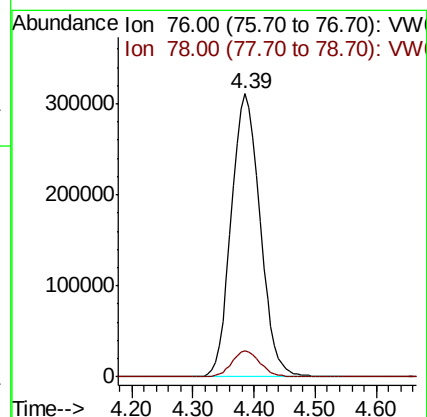
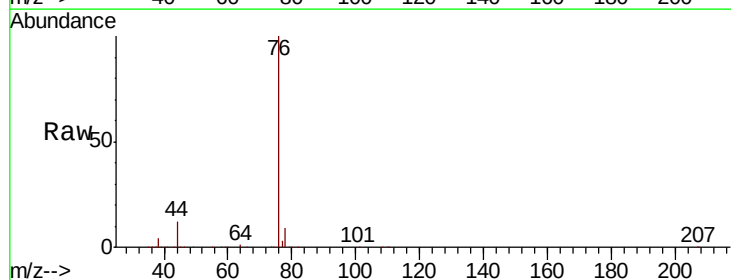
Instrument :
MSVOA_W
ClientSampleId :

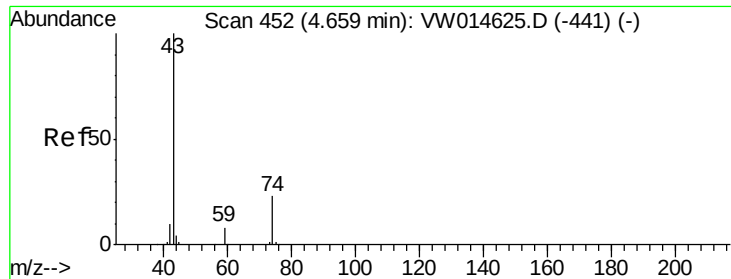
Tot Ion: 43 Resp: 209721
Ion Ratio Lower Upper
43 100
58 33.0 0.0 64.0



#14
Carbon disulfide
Concen: 23.032 ug/L
RT: 4.39 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

Tgt Ion: 76 Resp: 1012683
Ion Ratio Lower Upper
76 100
78 9.4 6.9 10.3

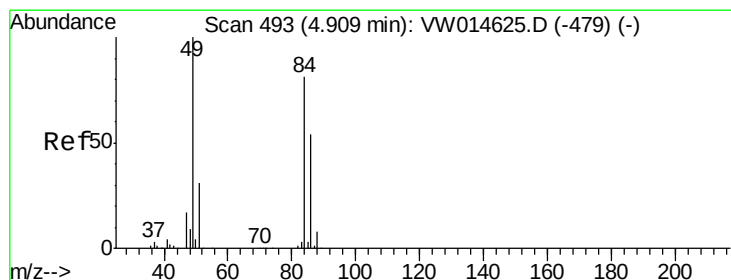
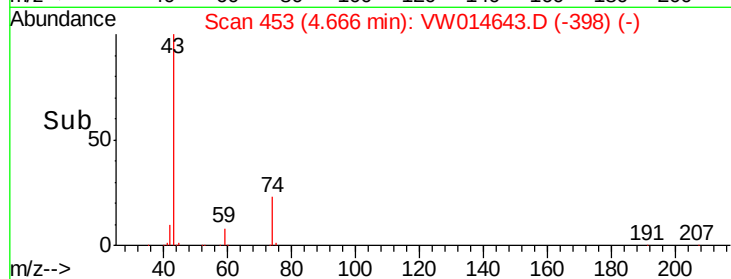
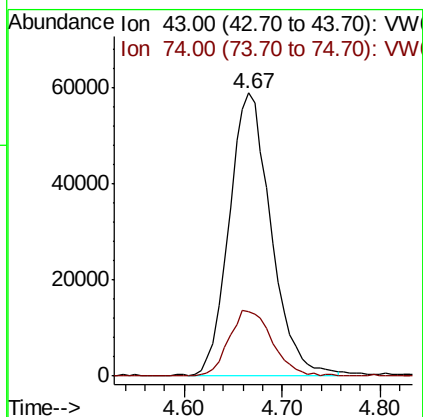
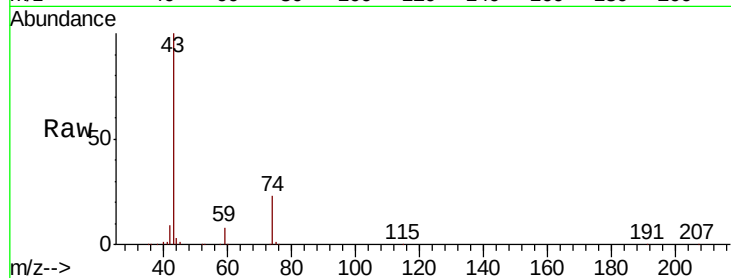




#15
Methyl Acetate
Concen: 24.955 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

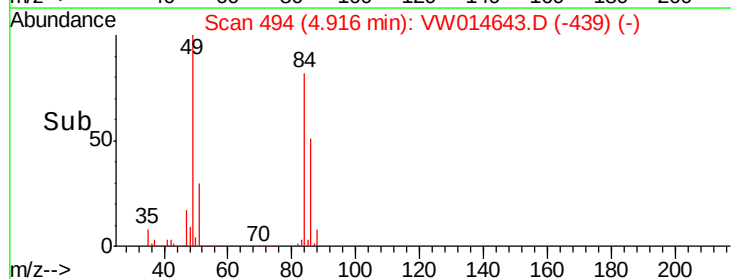
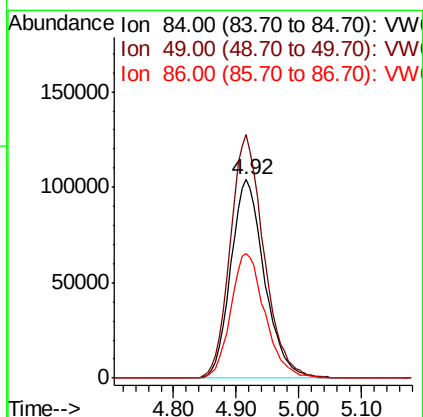
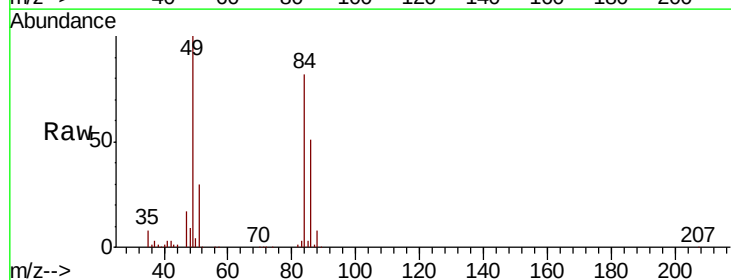
Instrument :
MSVOA_W
ClientSampled :

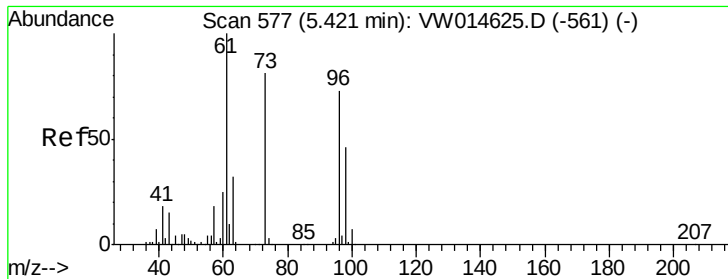
Tot Ion: 43 Resp: 174068
Ion Ratio Lower Upper
43 100
74 24.1 18.3 27.5



#16
Methylene chloride
Concen: 21.274 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

Tgt Ion: 84 Resp: 386113
Ion Ratio Lower Upper
84 100
49 122.6 85.8 159.4
86 62.6 44.5 82.7

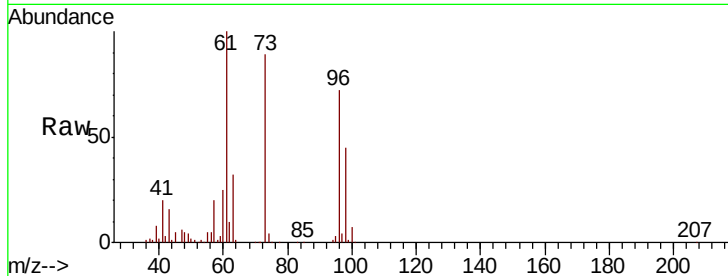




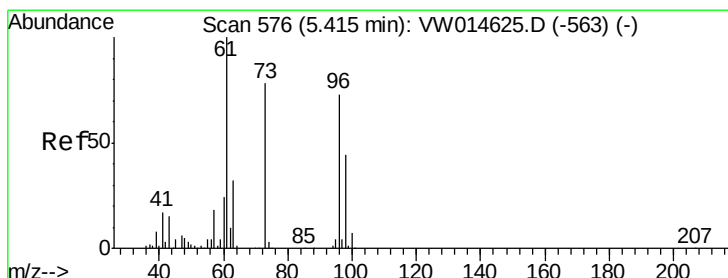
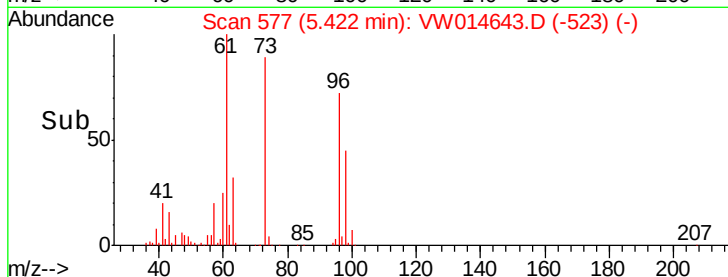
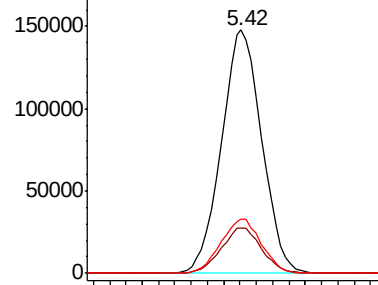
#17
Methyl tert-butyl Ether
Concen: 27.679 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 73 Resp: 507381
Ion Ratio Lower Upper
73 100
43 18.6 15.7 23.5
57 22.5 18.3 27.5

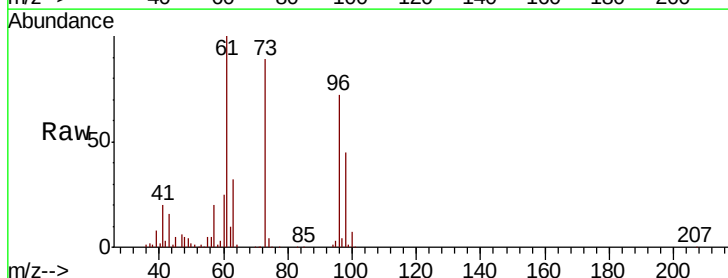


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

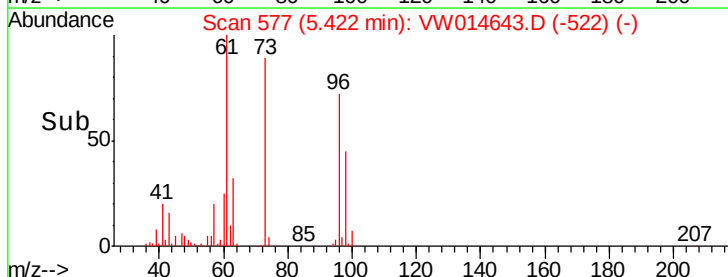
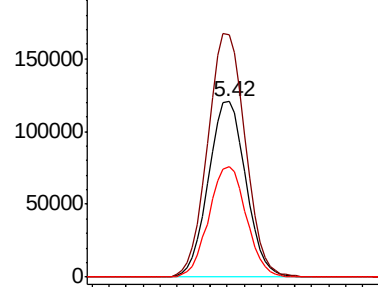


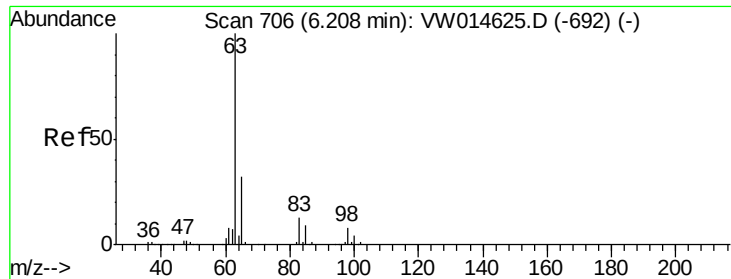
#18
trans-1,2-Dichloroethene
Concen: 24.262 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

Tgt Ion: 96 Resp: 363978
Ion Ratio Lower Upper
96 100
61 138.0 98.2 182.4
98 62.7 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

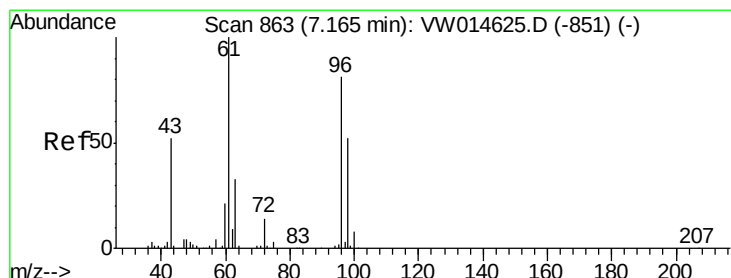
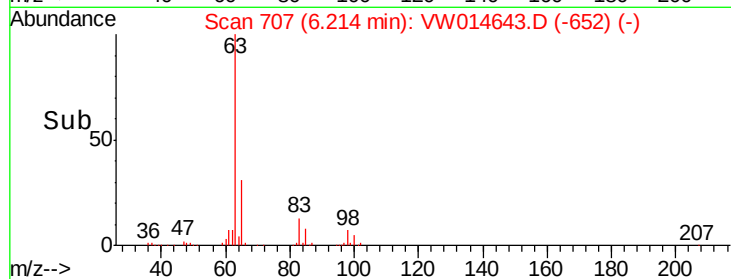
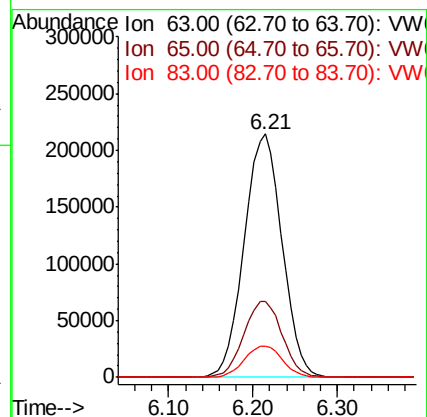
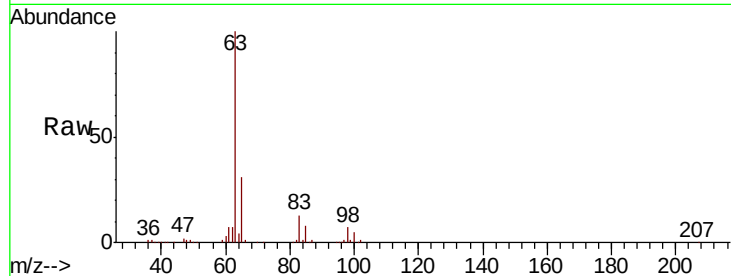




#19
 1,1-Dichloroethane
 Concen: 24.117 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW014643.D
 Acq: 14 Jan 2020 20:12

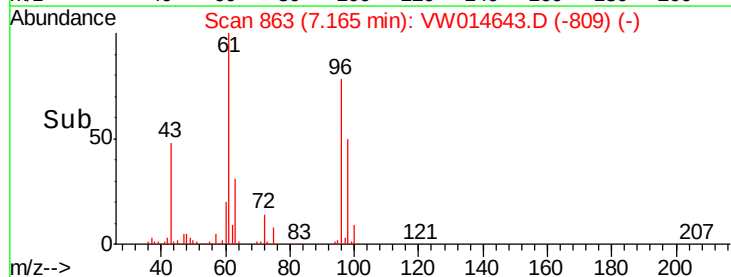
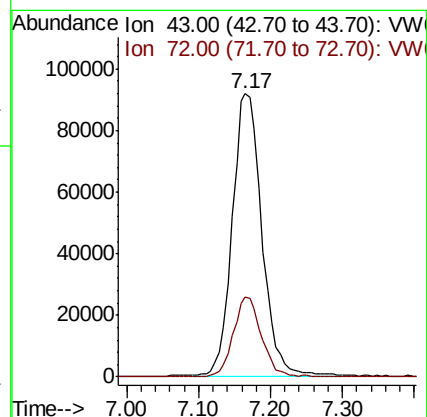
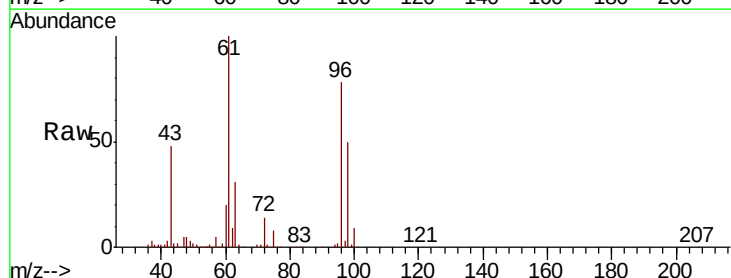
Instrument :
 MSVOA_W
 ClientSampled :

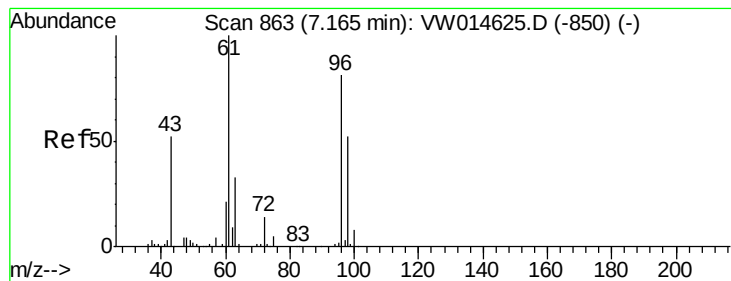
Tot Ion: 63 Resp: 654014
 Ion Ratio Lower Upper
 63 100
 65 31.0 21.7 40.3
 83 13.0 9.0 16.8



#21
 2-Butanone
 Concen: 47.633 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014643.D
 Acq: 14 Jan 2020 20:12

Tgt Ion: 43 Resp: 264175
 Ion Ratio Lower Upper
 43 100
 72 26.5 13.3 39.8



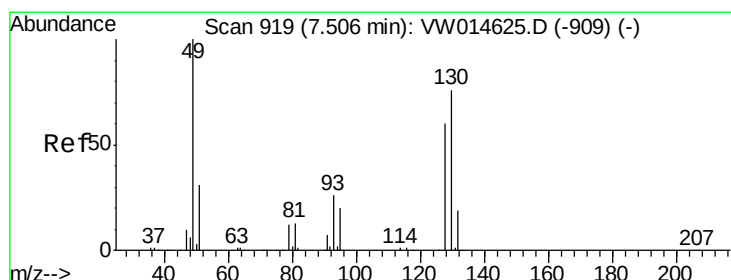
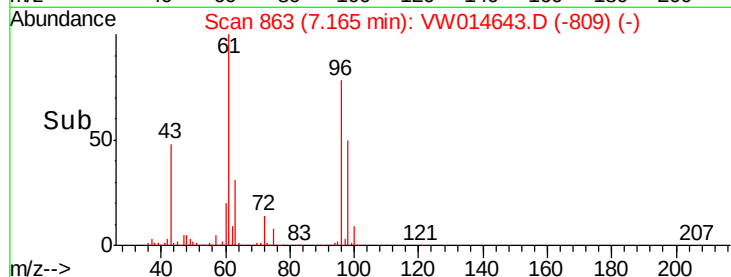
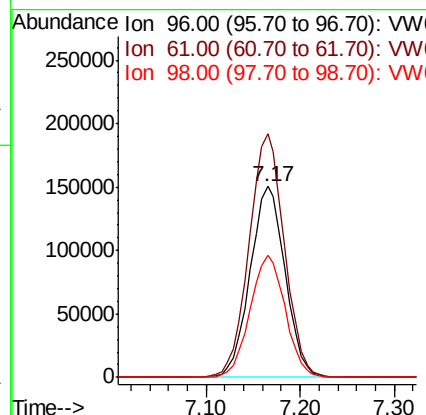
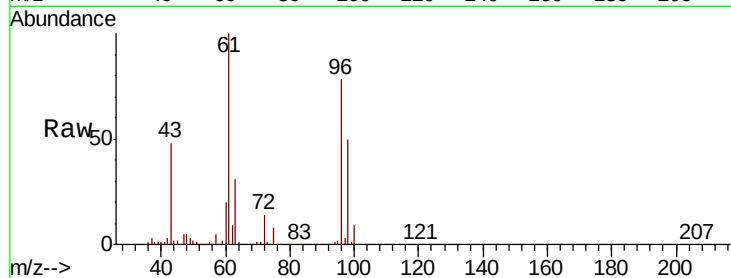


#22

cis-1,2-Dichloroethene
Concen: 24.840 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

Instrument :
MSVOA_W
ClientSampled :

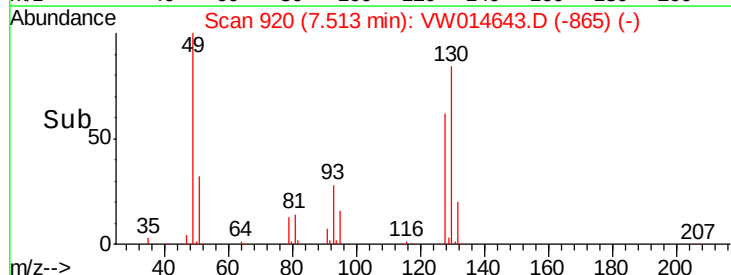
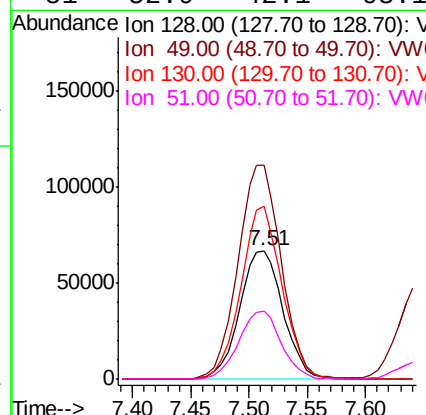
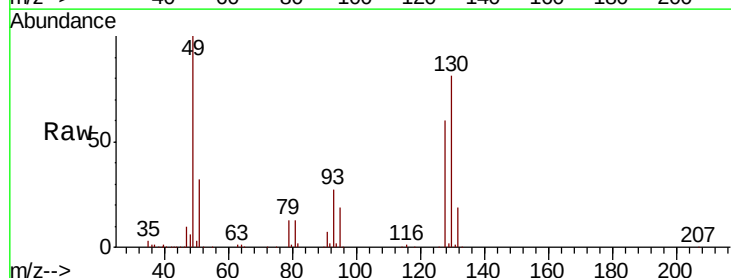
Tot Ion: 96 Resp: 392243
Ion Ratio Lower Upper
96 100
61 127.5 91.5 169.9
98 63.7 46.9 87.1

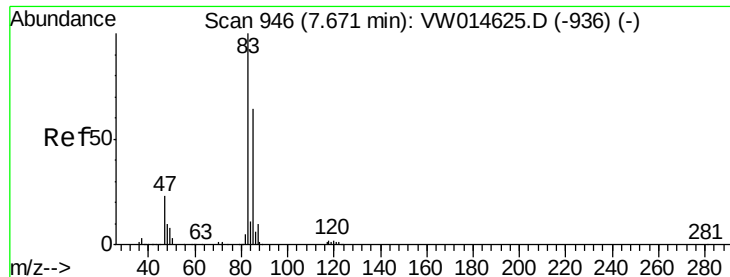


#23

Bromochloromethane
Concen: 25.201 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

Tgt Ion: 128 Resp: 172272
Ion Ratio Lower Upper
128 100
49 166.5 118.3 219.7
130 134.8 89.5 166.1
51 52.9 42.1 63.1





#25

Chloroform

Concen: 24.554 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

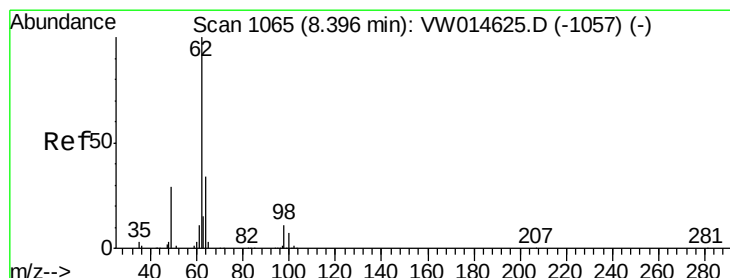
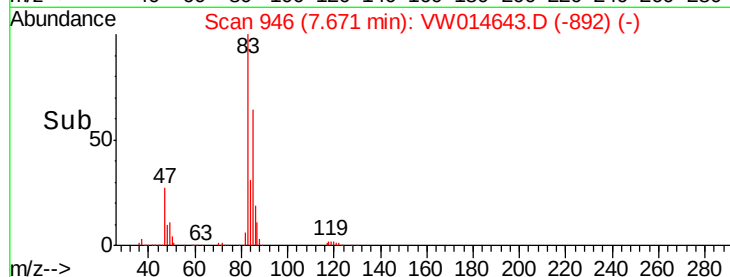
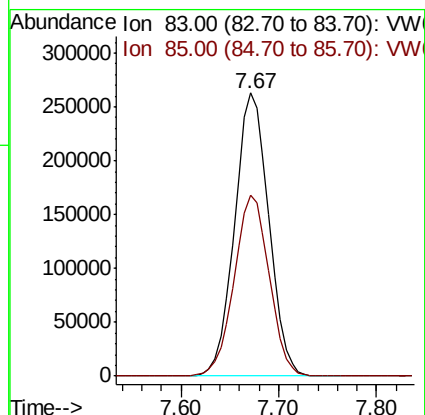
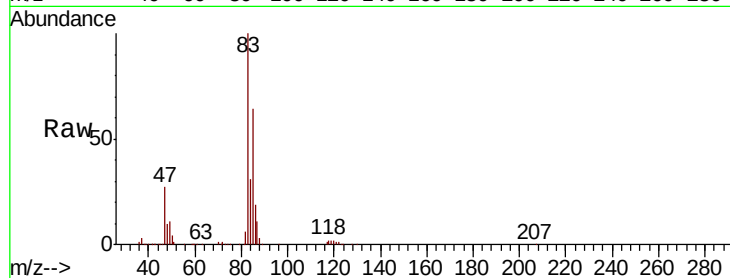
ClientSampled :

Tot Ion: 83 Resp: 636887

Ion Ratio Lower Upper

83 100

85 65.5 45.8 85.2



#27

1,2-Dichloroethane

Concen: 24.007 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014643.D

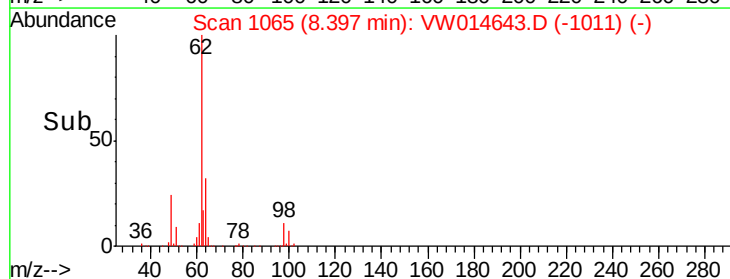
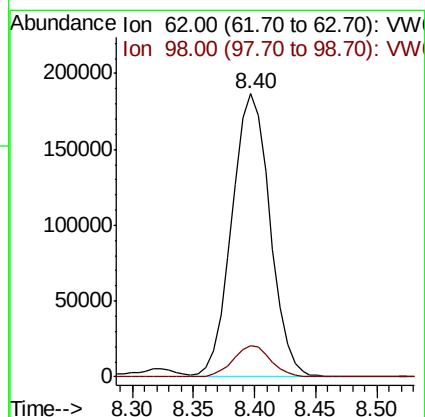
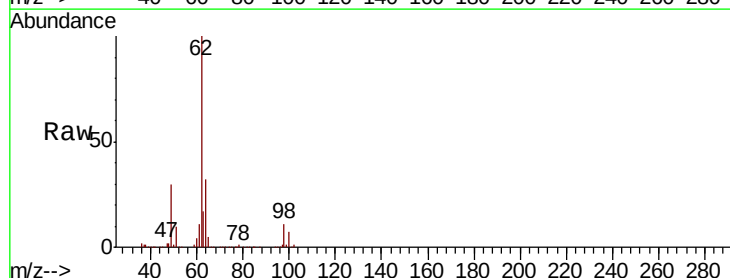
Acq: 14 Jan 2020 20:12

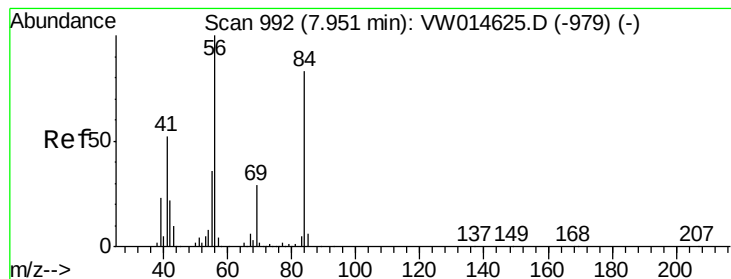
Tgt Ion: 62 Resp: 404237

Ion Ratio Lower Upper

62 100

98 11.1 8.3 12.5





#30

Cyclohexane

Concen: 24.881 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

ClientSampled :

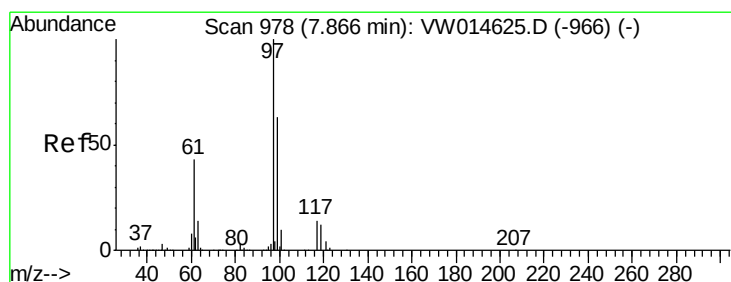
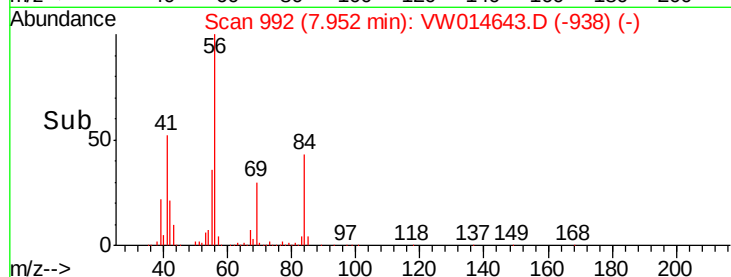
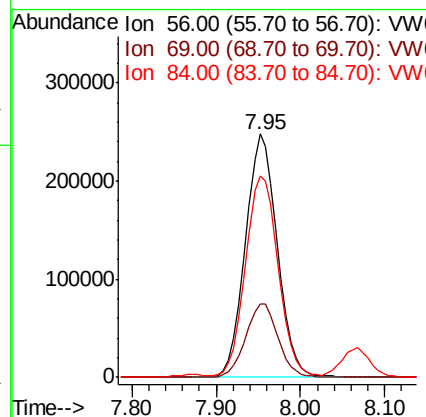
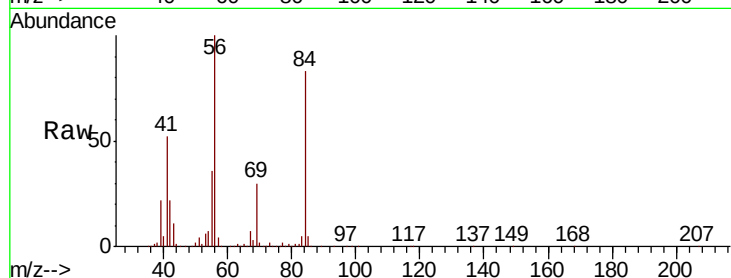
Tot Ion: 56 Resp: 635552

Ion Ratio Lower Upper

56 100

69 30.7 23.8 35.8

84 85.4 68.2 102.2



#31

1,1,1-Trichloroethane

Concen: 23.786 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

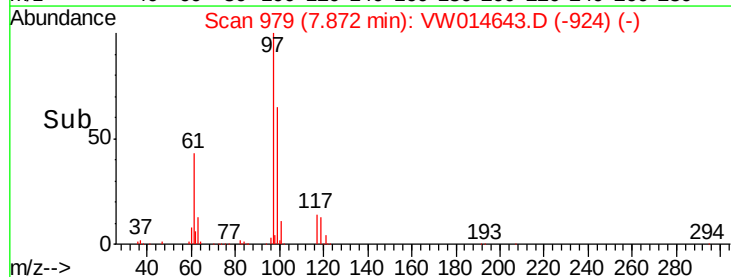
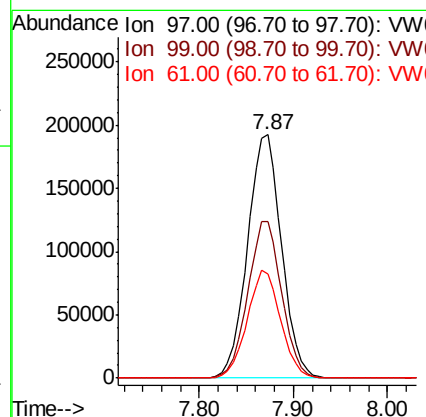
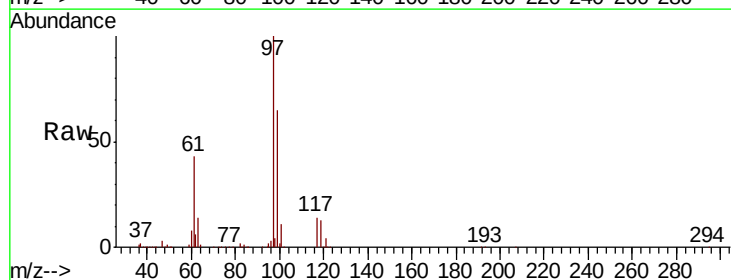
Tgt Ion: 97 Resp: 487247

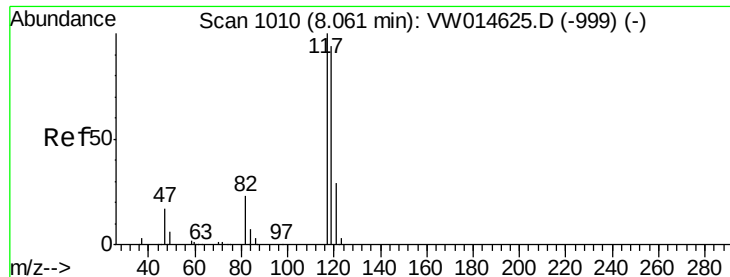
Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 43.6 35.3 52.9

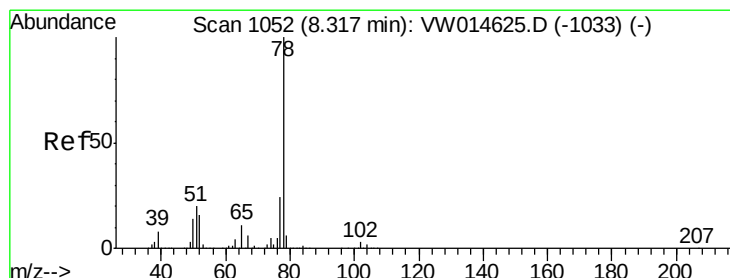
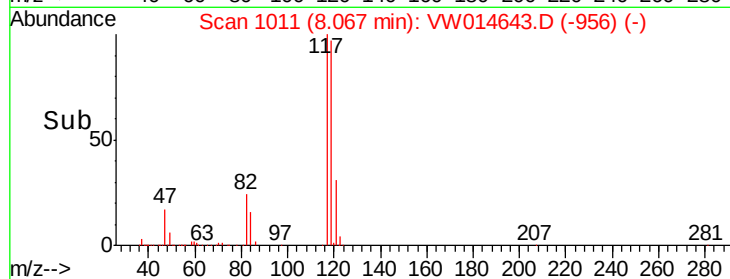
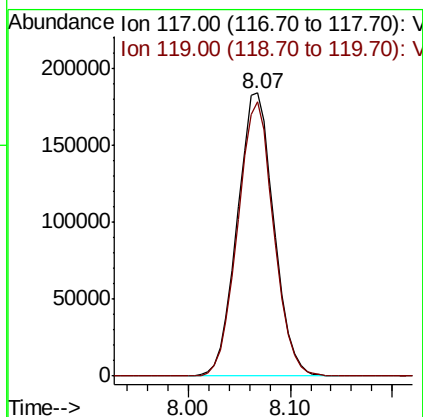
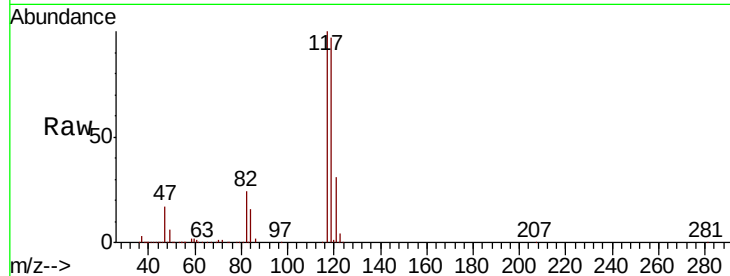




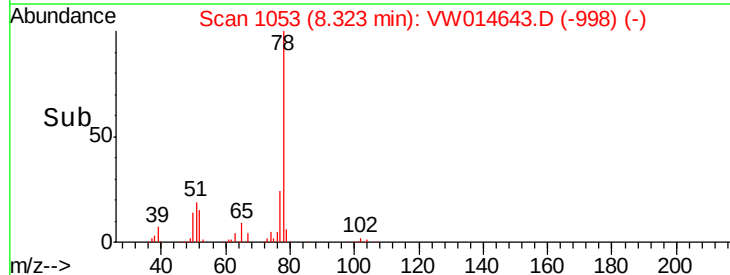
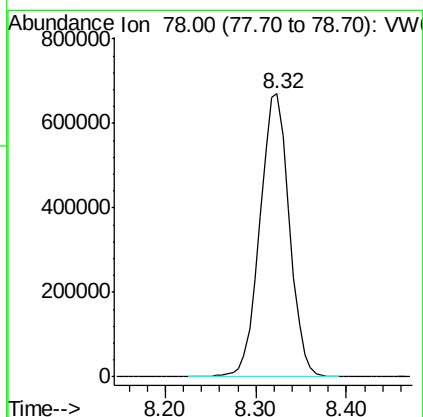
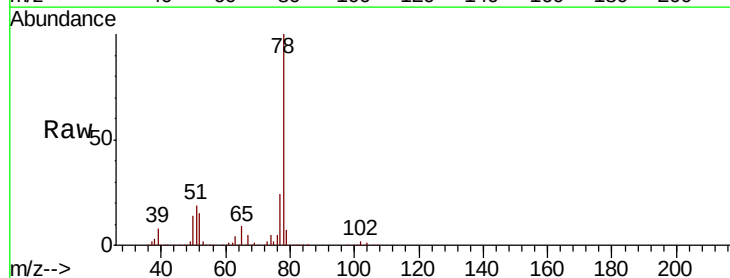
#32
Carbon tetrachloride
Concen: 24.005 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

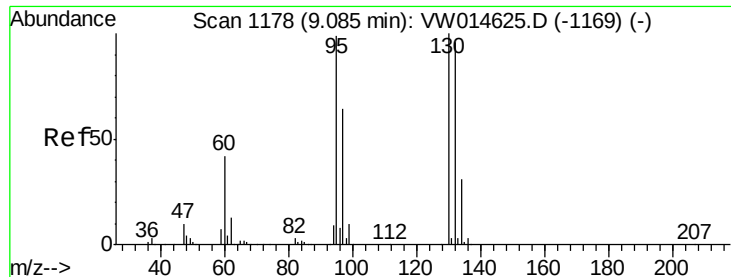
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 458134
Ion Ratio Lower Upper
117 100
119 95.4 77.6 116.4



#34
Benzene
Concen: 25.043 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12
Tgt Ion: 78 Resp: 1504945





#35

Trichloroethene

Concen: 24.365 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 377892

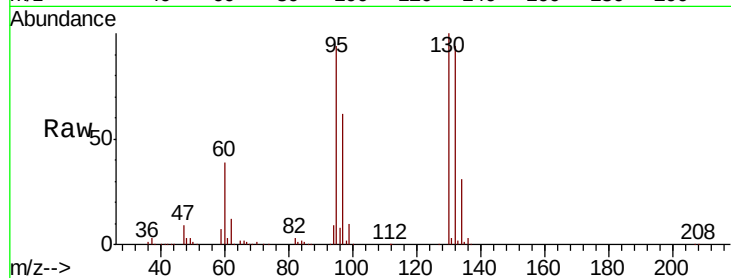
Ion Ratio Lower Upper

95 100

97 64.6 44.3 82.3

132 100.7 69.2 128.6

130 105.7 72.3 134.3

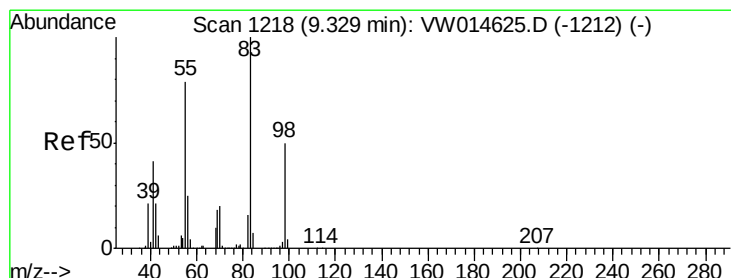
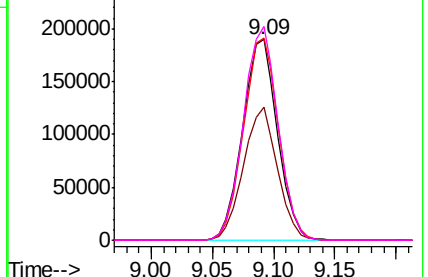
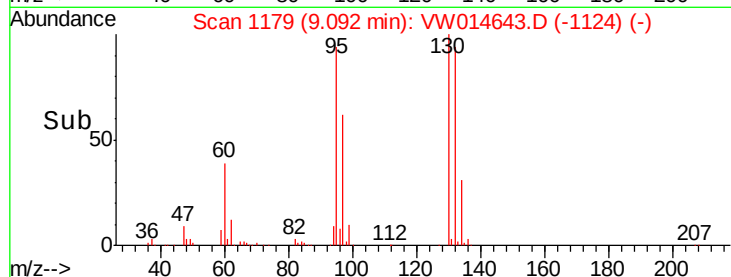


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 24.352 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

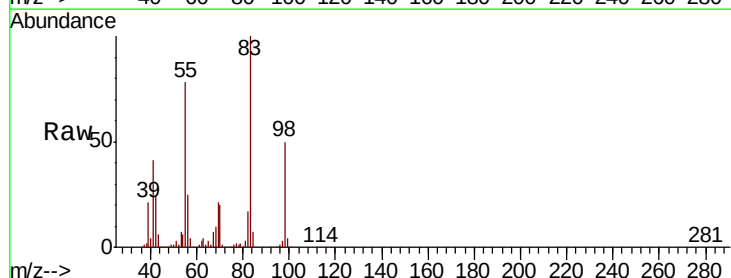
Tgt Ion: 83 Resp: 662595

Ion Ratio Lower Upper

83 100

55 79.1 63.7 95.5

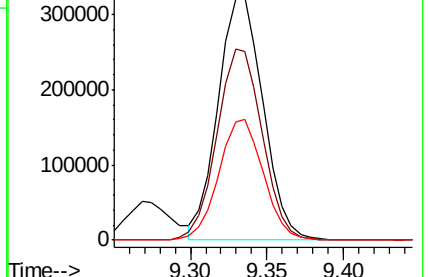
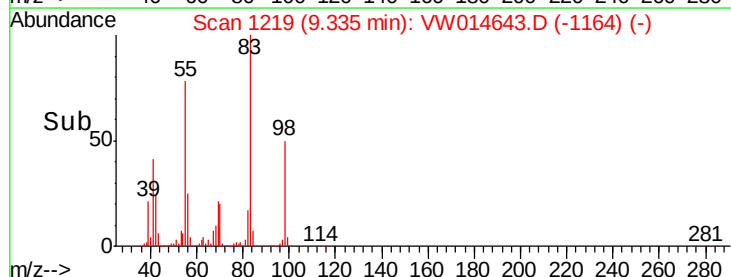
98 49.1 39.4 59.2

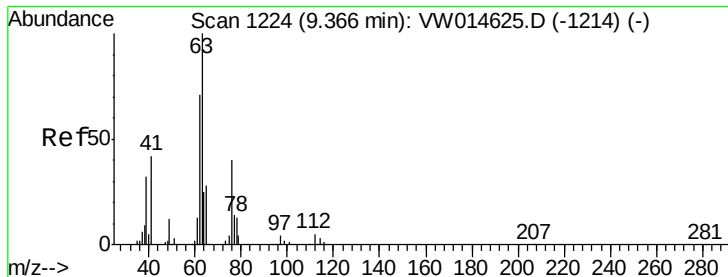


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.671 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

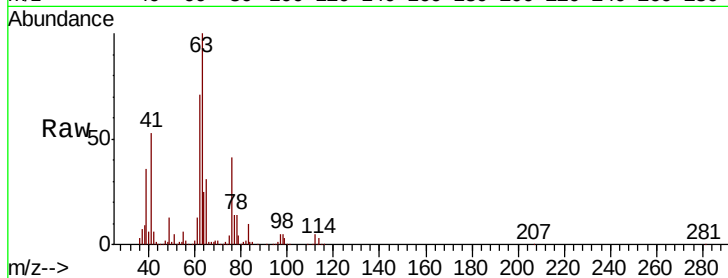
ClientSampled :

Tot Ion: 63 Resp: 375247

Ion Ratio Lower Upper

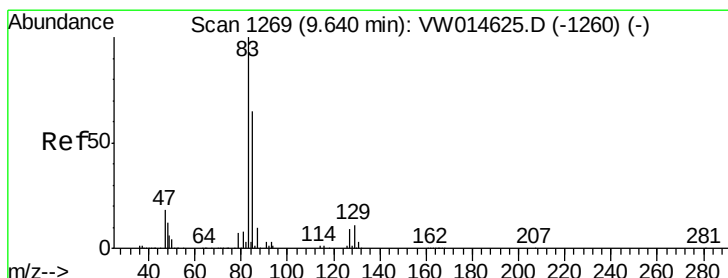
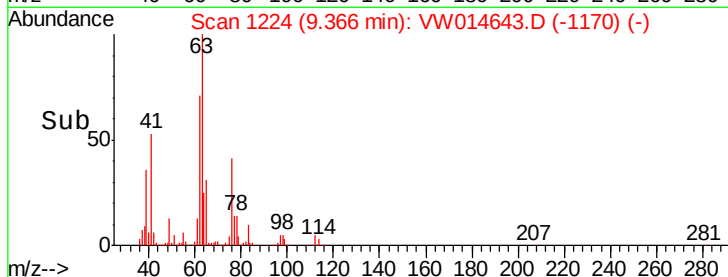
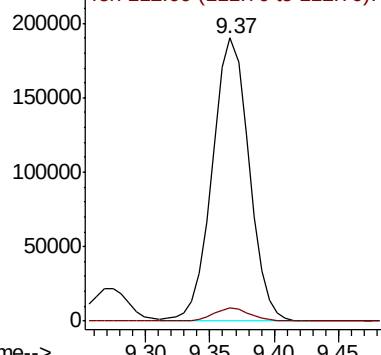
63 100

112 4.6 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.580 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

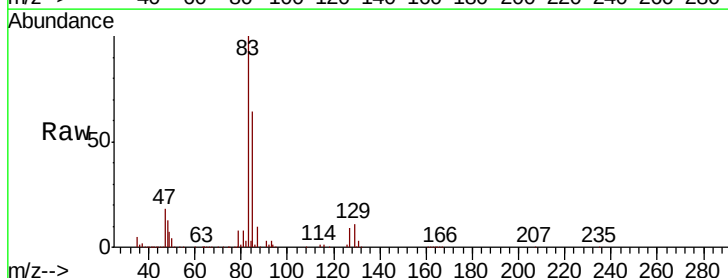
Tgt Ion: 83 Resp: 449699

Ion Ratio Lower Upper

83 100

85 63.8 44.7 83.1

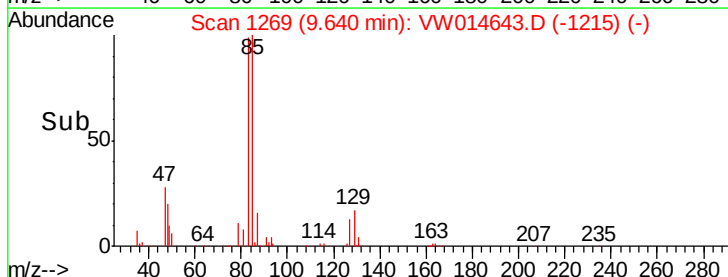
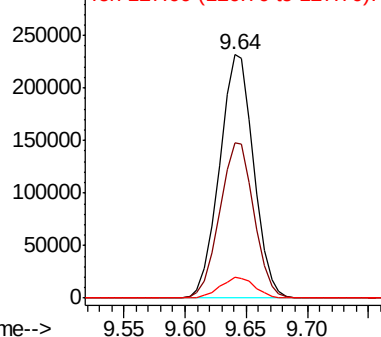
127 8.5 6.3 9.5

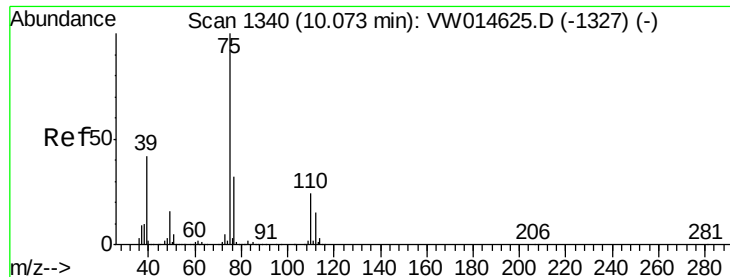


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 25.538 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

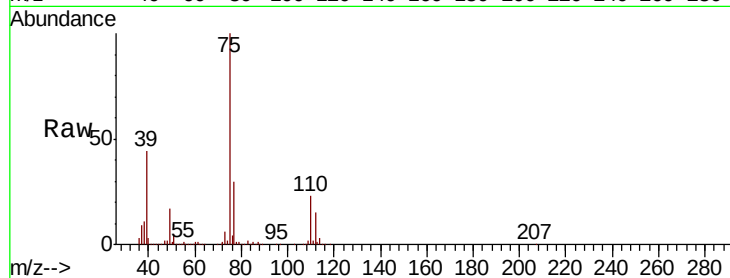
ClientSampleId :

Tot Ion: 75 Resp: 580245

Ion Ratio Lower Upper

75 100

77 30.3 21.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

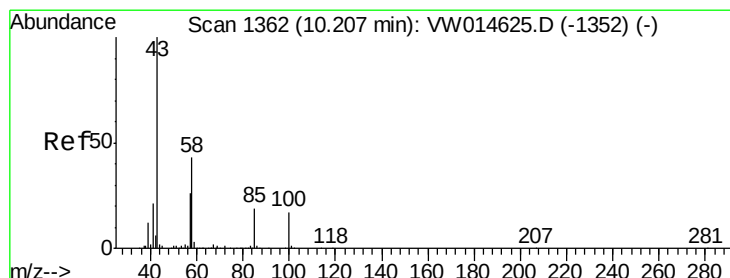
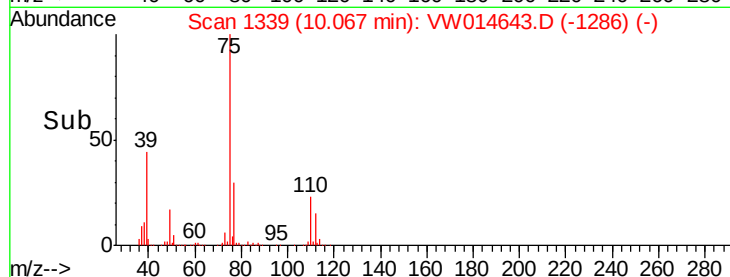
300000

200000

100000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 50.732 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

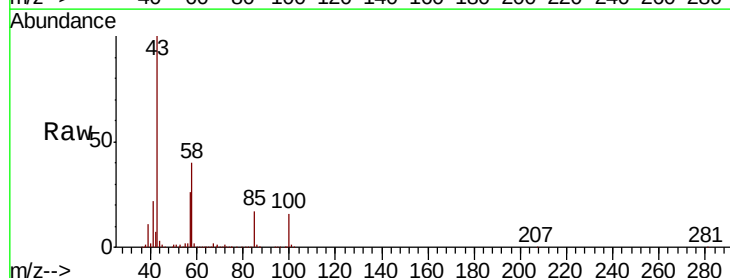
Tgt Ion: 43 Resp: 495355

Ion Ratio Lower Upper

43 100

58 40.7 32.6 48.8

100 16.4 12.6 19.0



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

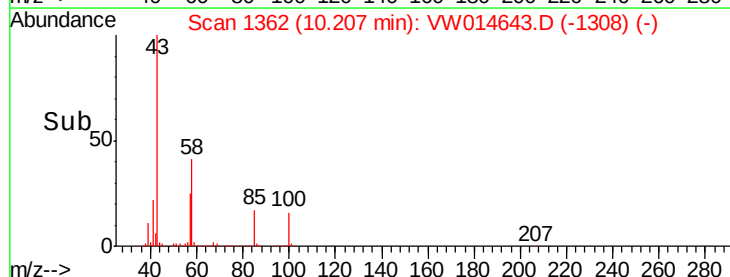
600000

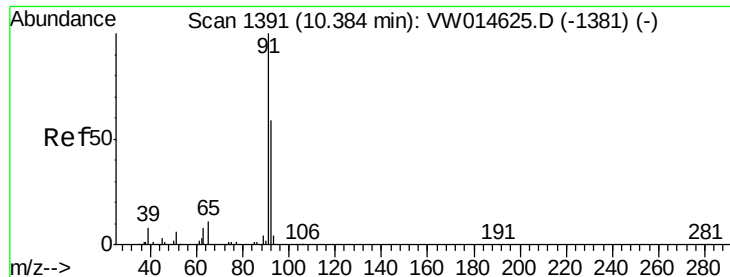
400000

200000

0

Time-->





#44

Toluene

Concen: 25.434 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

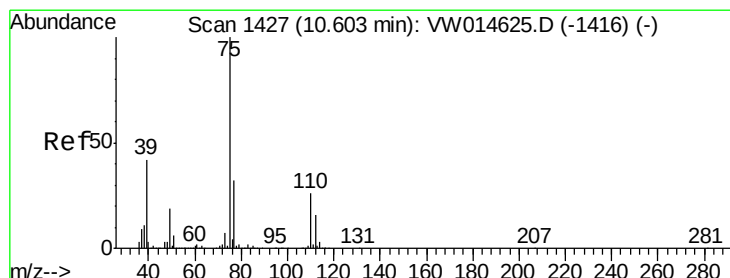
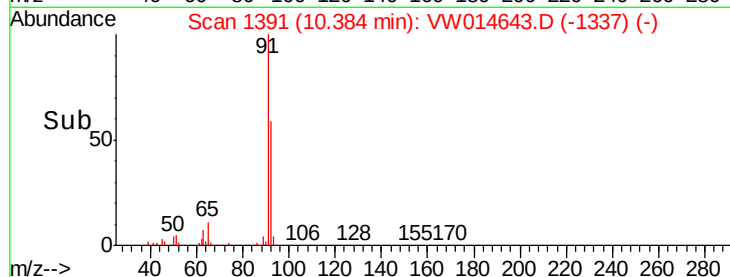
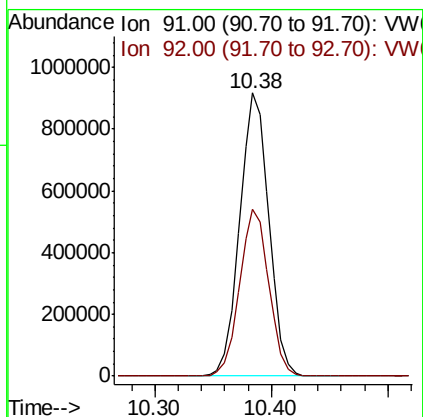
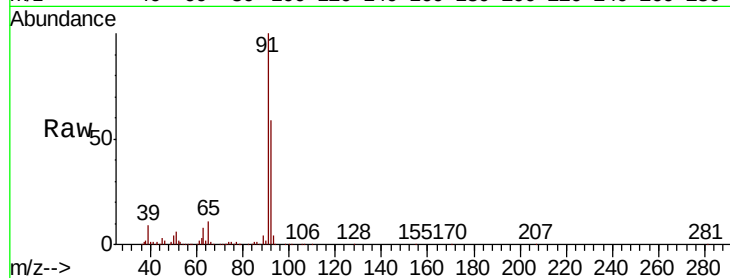
ClientSampled :

Tot Ion: 91 Resp: 1597242

Ion Ratio Lower Upper

91 100

92 58.9 40.2 74.6



#45

trans-1,3-Dichloropropene

Concen: 25.422 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014643.D

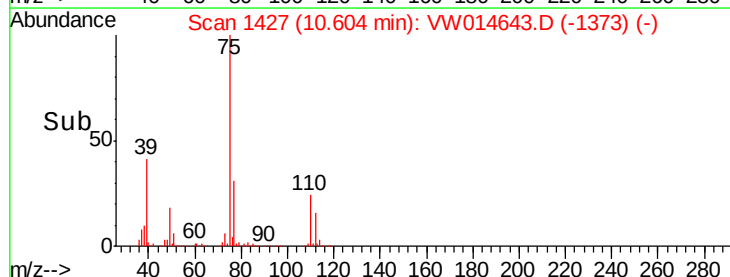
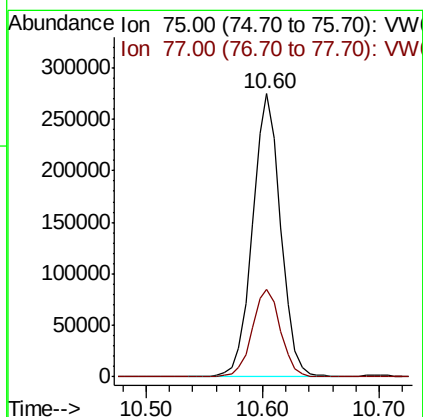
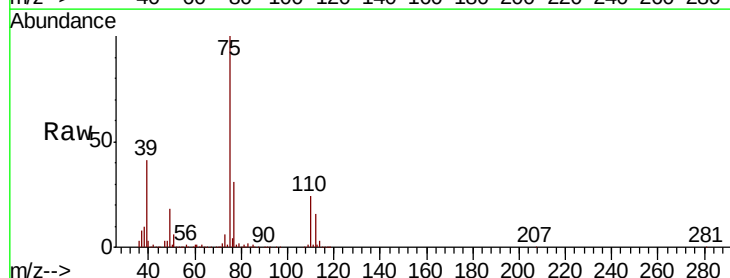
Acq: 14 Jan 2020 20:12

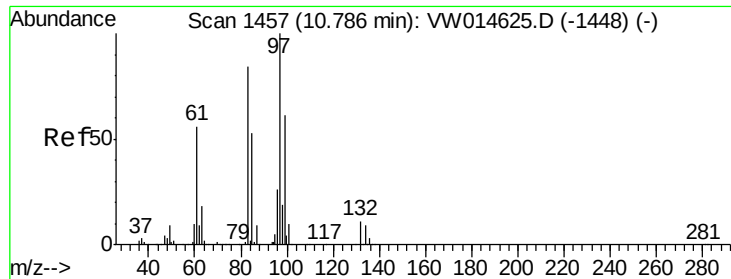
Tgt Ion: 75 Resp: 461860

Ion Ratio Lower Upper

75 100

77 31.0 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 25.407 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 273719

Ion	Ratio	Lower	Upper
97	100		
83	83.7	60.1	111.5
85	54.1	38.1	70.9
99	62.9	43.4	80.6

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

250000

200000

150000

100000

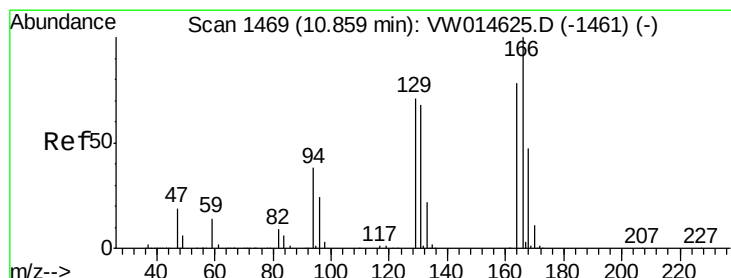
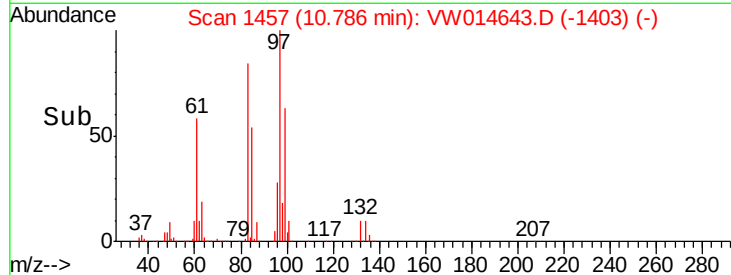
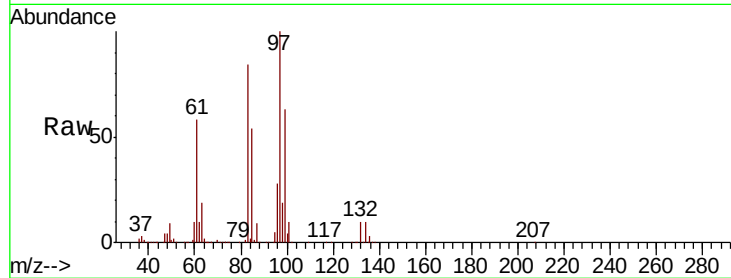
50000

0

10.79

10.75 10.80 10.85

Time-->



#47

Tetrachloroethene

Concen: 24.271 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Tgt Ion: 164 Resp: 316084

Ion	Ratio	Lower	Upper
164	100		
129	90.8	64.0	118.8
131	88.0	60.2	111.8
166	128.9	88.2	163.8

Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

300000

200000

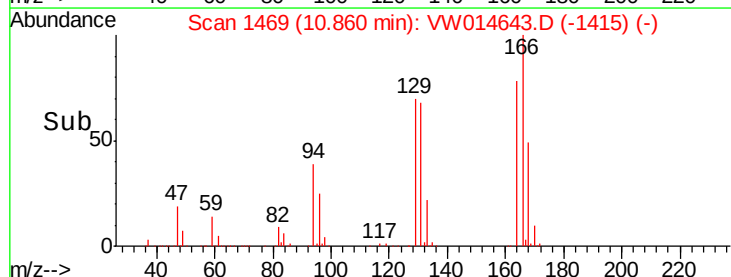
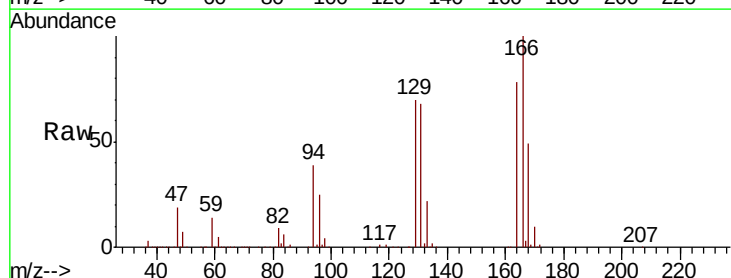
100000

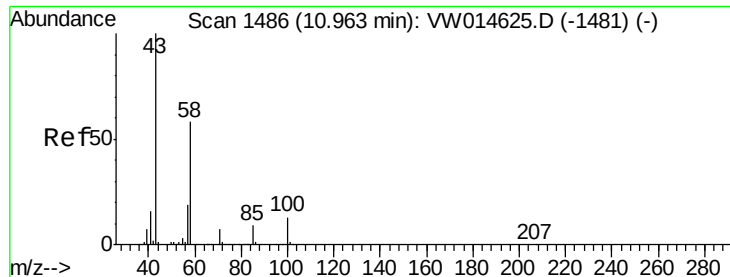
0

10.86

10.80 10.90

Time-->

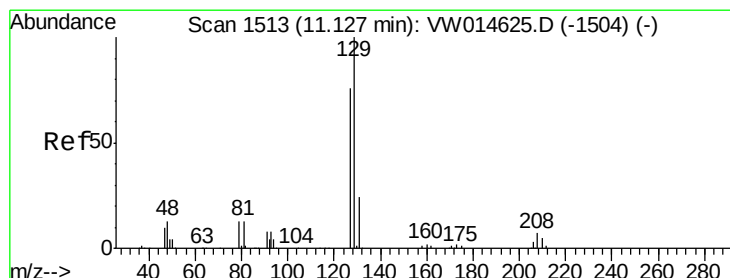
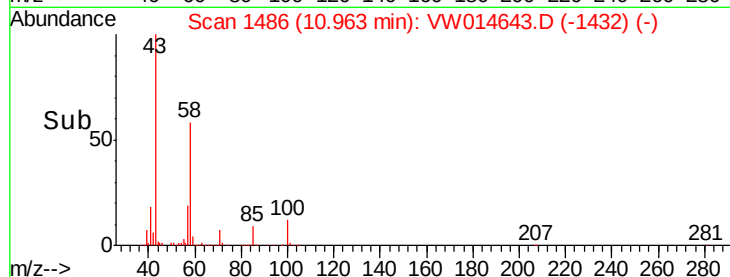
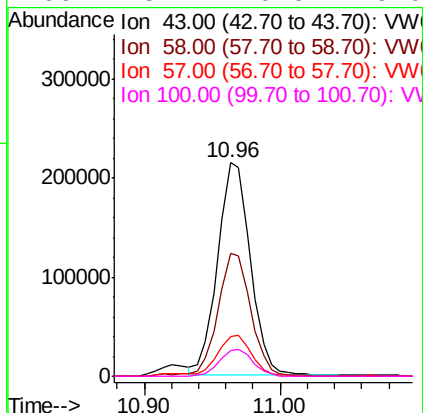
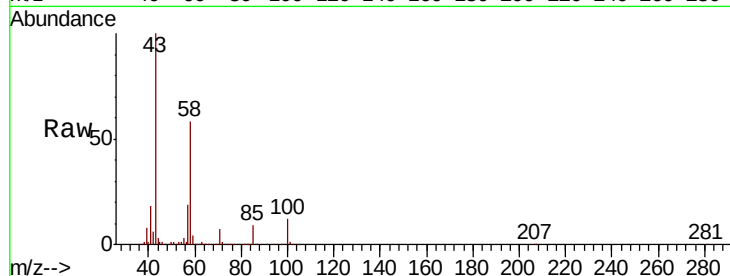




#49
2-Hexanone
Concen: 53.972 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

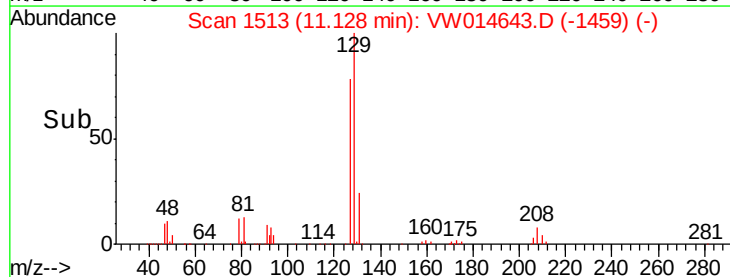
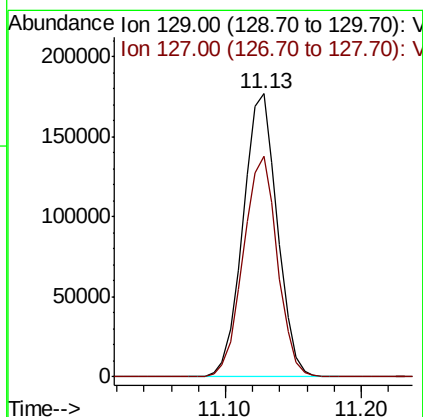
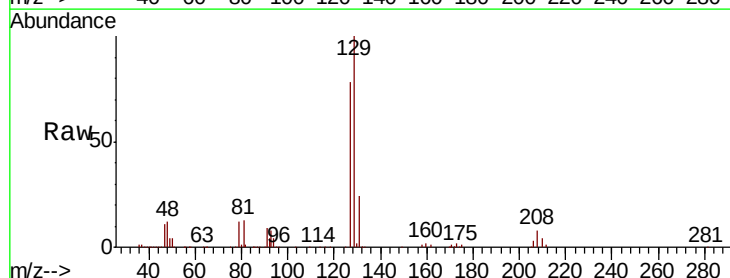
Instrument :
MSVOA_W
ClientSampleId :

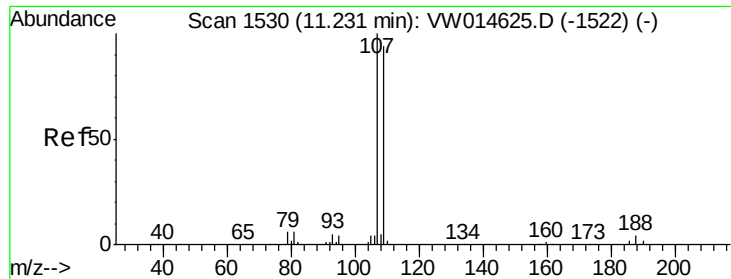
Tot Ion: 43 Resp: 359868
Ion Ratio Lower Upper
43 100
58 57.8 44.9 67.3
57 19.8 15.3 22.9
100 13.1 10.0 15.0



#50
Dibromochloromethane
Concen: 25.466 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

Tgt Ion: 129 Resp: 311530
Ion Ratio Lower Upper
129 100
127 77.8 51.1 94.9

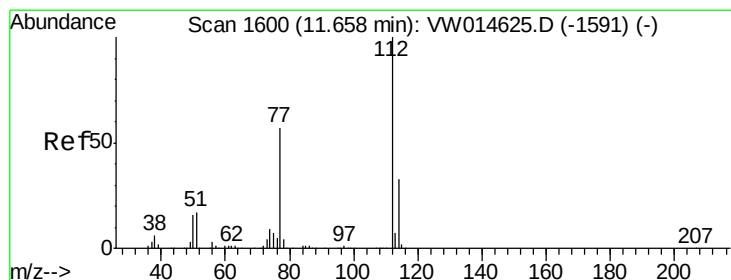
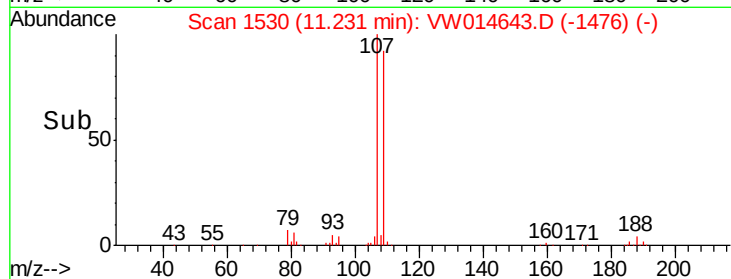
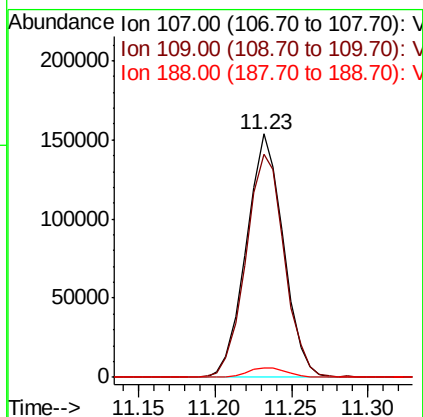
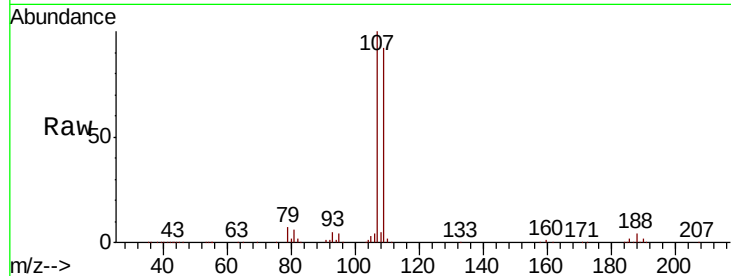




#51
1,2-Dibromoethane
Concen: 25.484 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

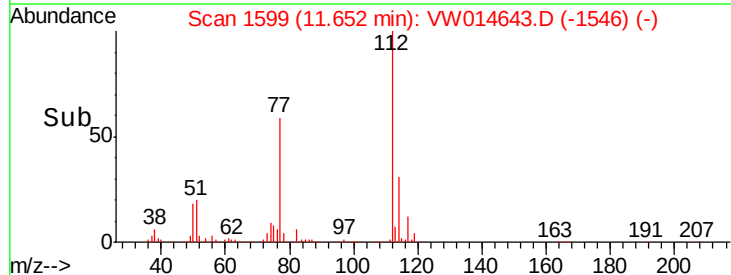
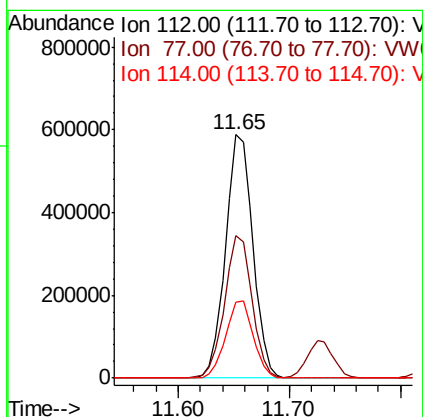
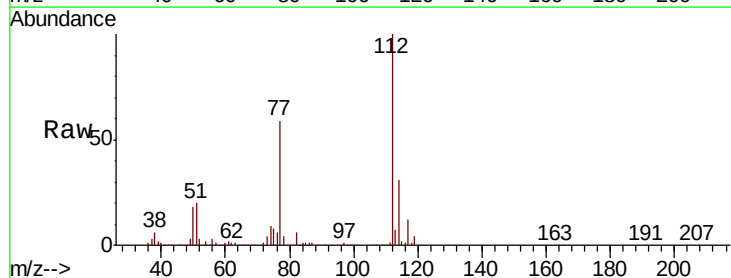
Instrument :
MSVOA_W
ClientSampleId :

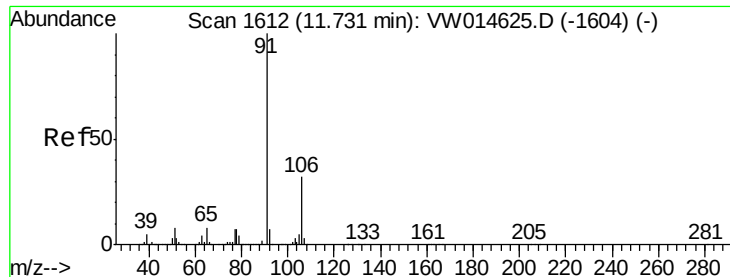
Tot Ion:107 Resp: 259170
Ion Ratio Lower Upper
107 100
109 91.6 64.7 120.1
188 4.0 3.0 4.6



#52
Chlorobenzene
Concen: 25.086 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

Tgt Ion:112 Resp: 995887
Ion Ratio Lower Upper
112 100
77 58.7 48.2 72.2
114 31.3 22.9 42.5

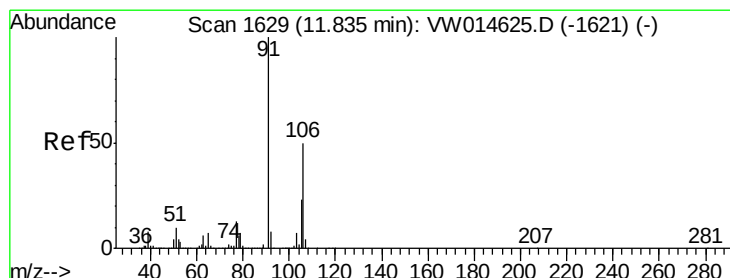
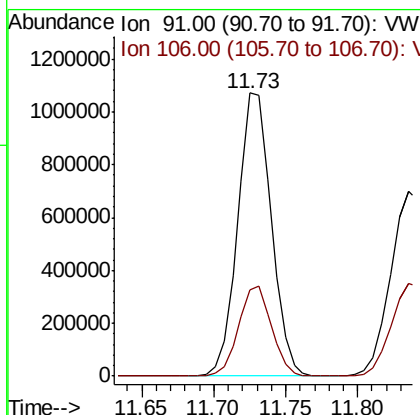
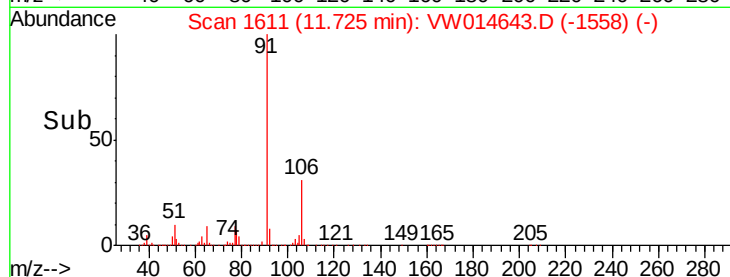
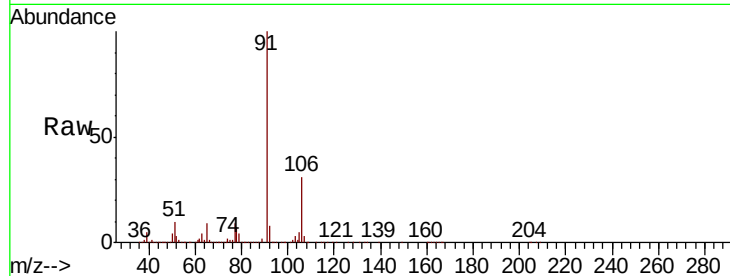




#53
Ethylbenzene
Concen: 25.169 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

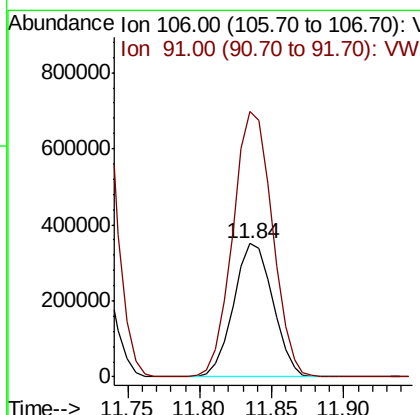
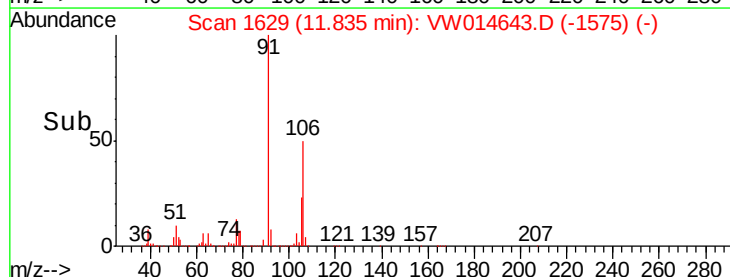
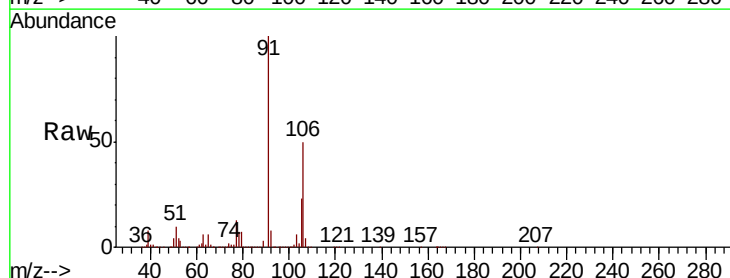
Instrument :
MSVOA_W
ClientSampleId :

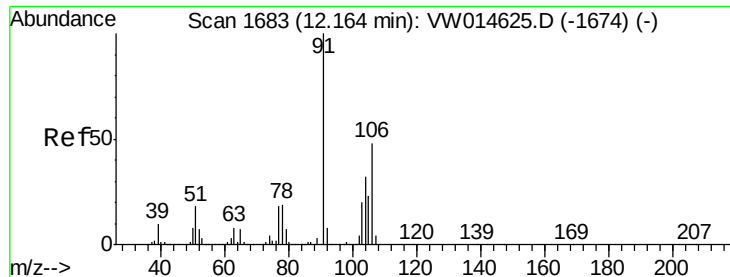
Tot Ion: 91 Resp: 1737880
Ion Ratio Lower Upper
91 100
106 30.6 21.8 40.6



#54
m,p-Xylene
Concen: 25.478 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014643.D
Acq: 14 Jan 2020 20:12

Tgt Ion: 106 Resp: 665724
Ion Ratio Lower Upper
106 100
91 199.1 142.2 264.0





#55

o-xylene

Concen: 25.723 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

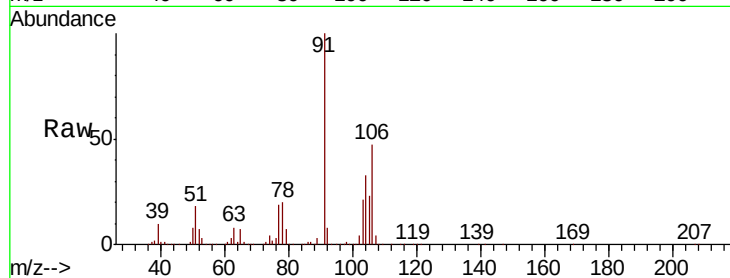
ClientSampled :

Tot Ion:106 Resp: 634870

Ion Ratio Lower Upper

106 100

91 211.7 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

1000000

800000

600000

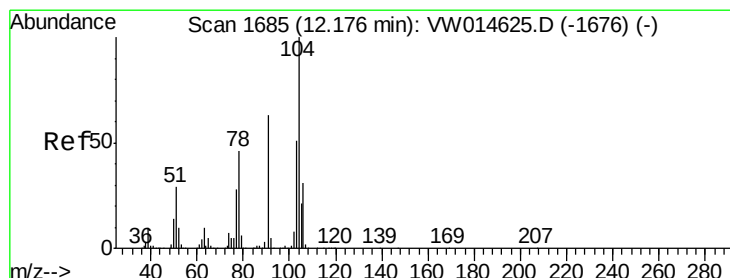
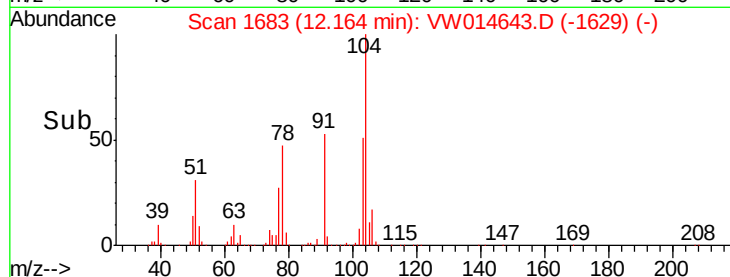
400000

200000

0

12.10 12.15 12.20

Time-->



#56

Styrene

Concen: 26.281 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014643.D

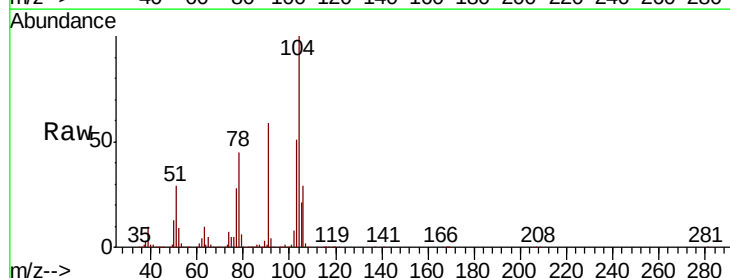
Acq: 14 Jan 2020 20:12

Tgt Ion:104 Resp: 1091719

Ion Ratio Lower Upper

104 100

78 44.7 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

800000

600000

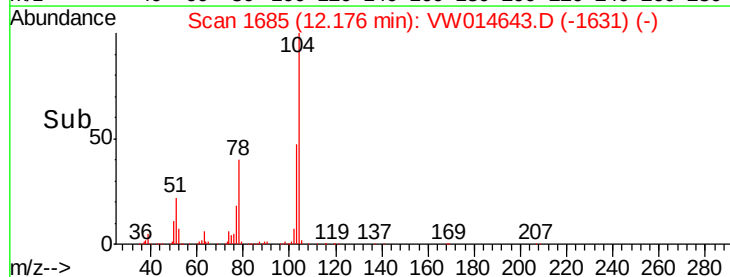
400000

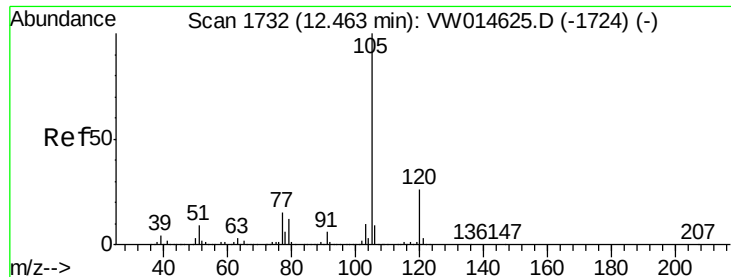
200000

0

12.10 12.15 12.20

Time-->





#57

Isopropylbenzene

Concen: 25.769 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

ClientSampled :

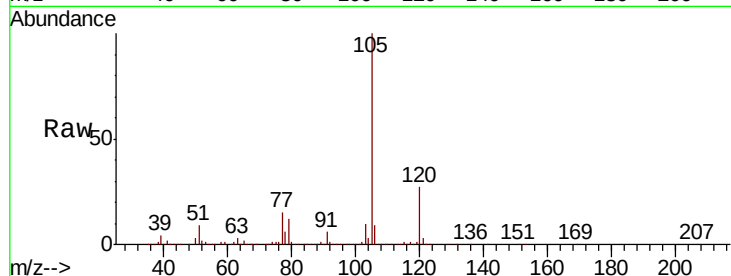
Tot Ion:105 Resp: 1691778

Ion Ratio Lower Upper

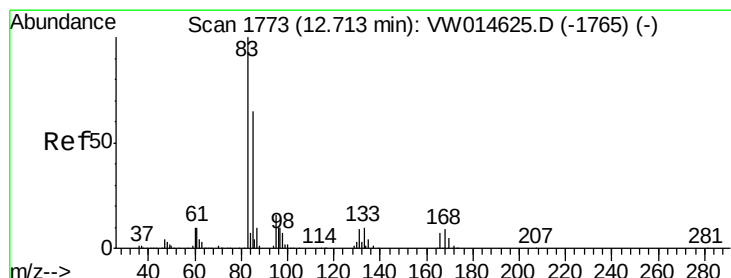
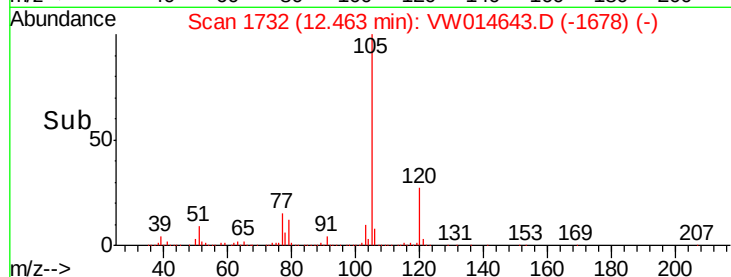
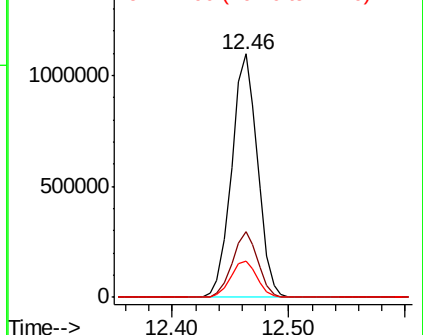
105 100

120 26.7 21.0 31.6

77 15.1 12.2 18.2



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: 25.501 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

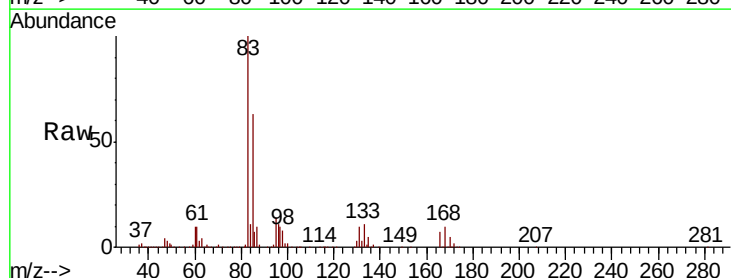
Tgt Ion: 83 Resp: 333580

Ion Ratio Lower Upper

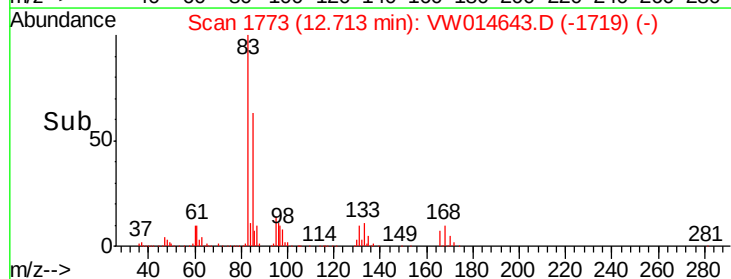
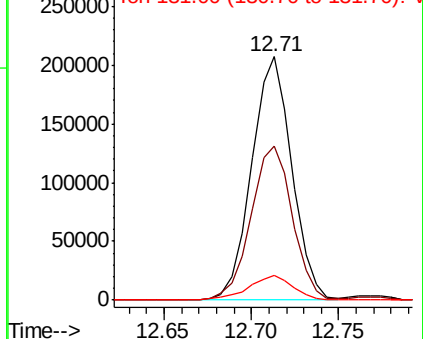
83 100

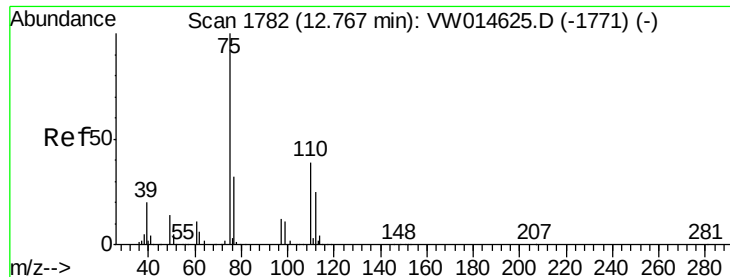
85 63.2 45.3 84.1

131 10.0 8.0 12.0



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: 24.959 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

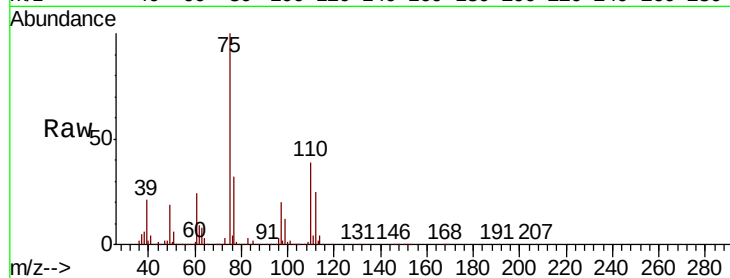
ClientSampleId :

Tot Ion: 75 Resp: 244579

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

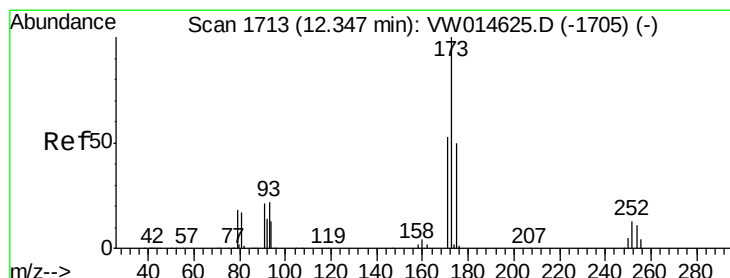
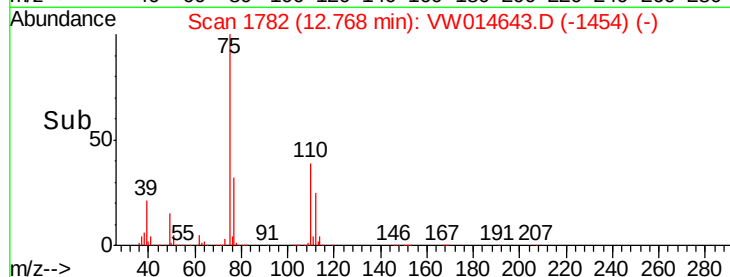
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 25.227 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

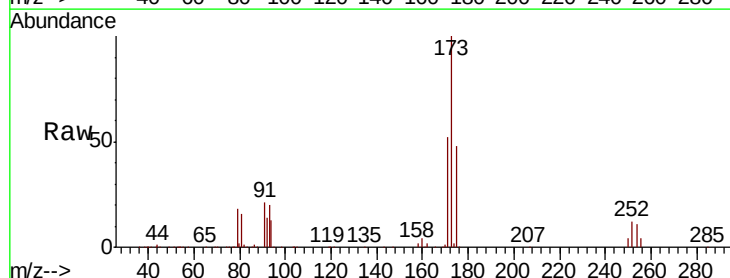
Tgt Ion: 173 Resp: 184822

Ion Ratio Lower Upper

173 100

175 47.5 40.5 60.7

254 10.7 9.3 13.9



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

12.35

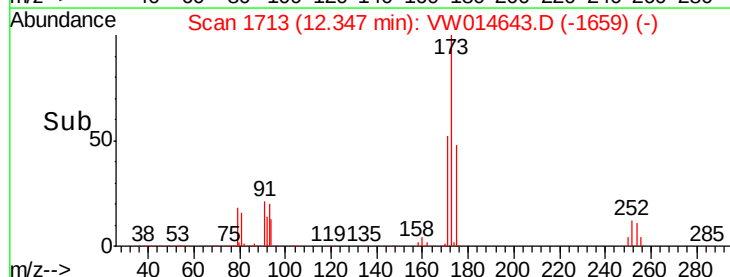
150000

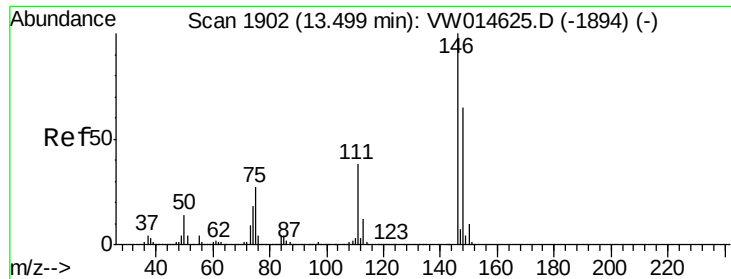
100000

50000

0

Time-->

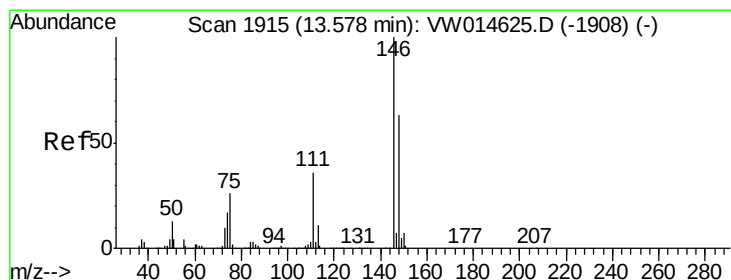
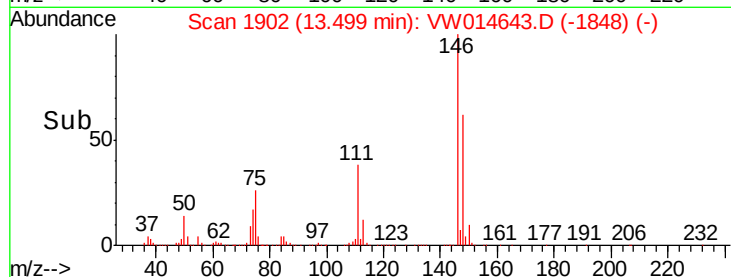
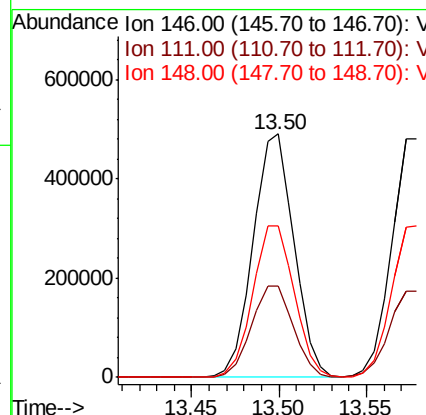
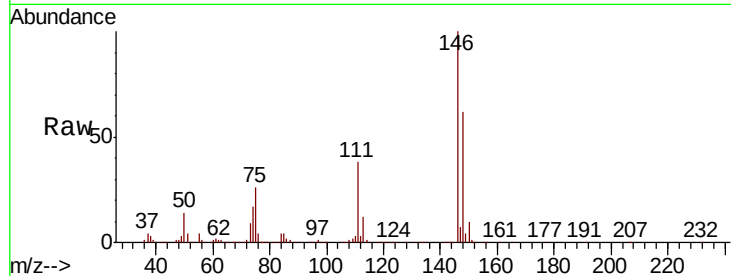




#63
 1,3-Dichlorobenzene
 Concen: 25.689 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014643.D
 Acq: 14 Jan 2020 20:12

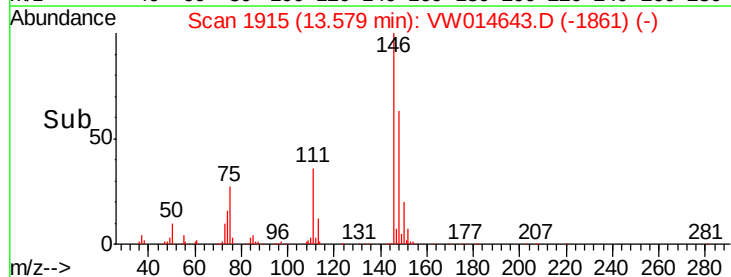
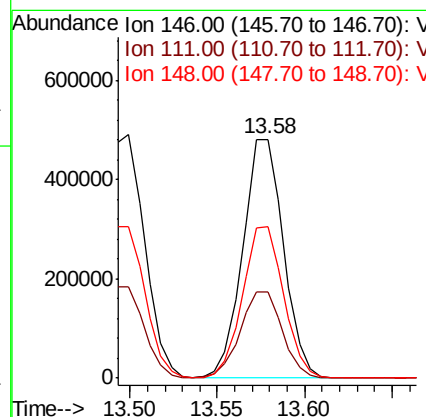
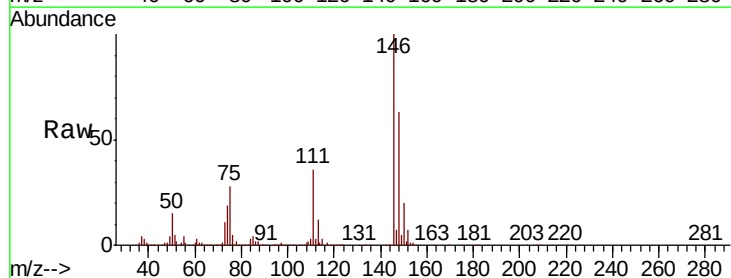
Instrument :
 MSVOA_W
 ClientSampleId :

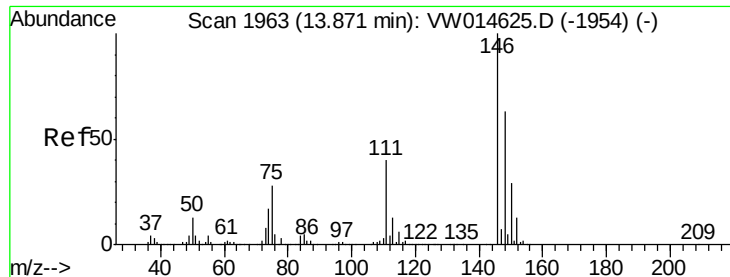
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.9	50.1
148	62.3	45.1	83.7



#64
 1,4-Dichlorobenzene
 Concen: 24.936 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014643.D
 Acq: 14 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	24.5	45.5
148	63.3	44.4	82.4

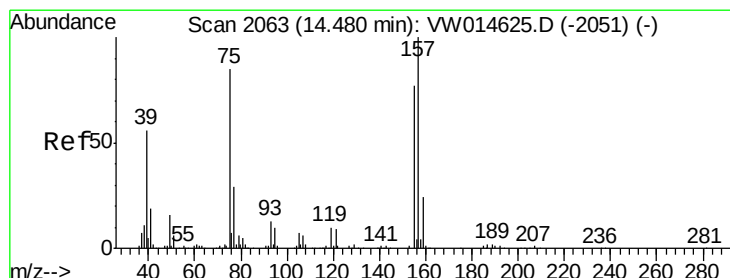
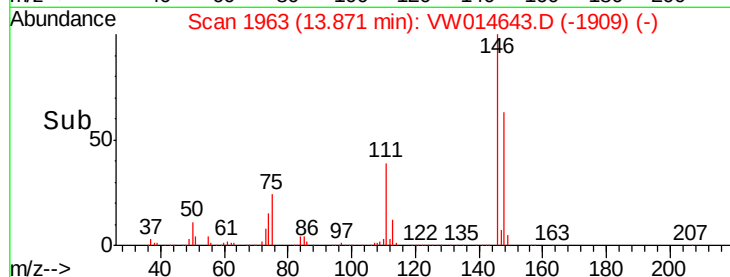
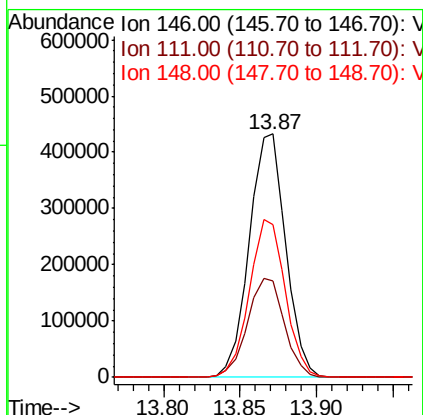
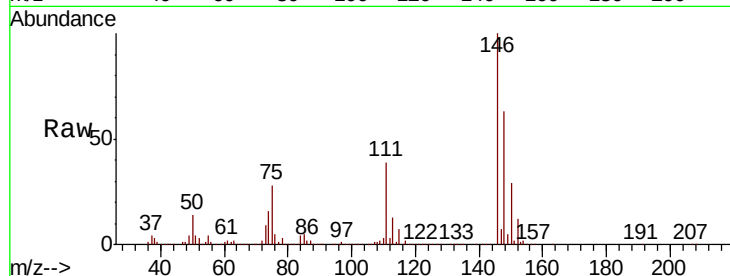




#65
 1,2-Dichlorobenzene
 Concen: 25.852 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW014643.D
 Acq: 14 Jan 2020 20:12

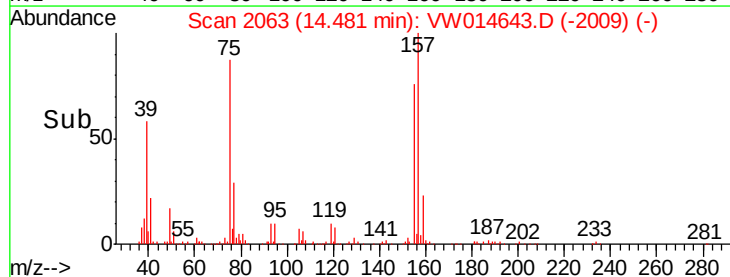
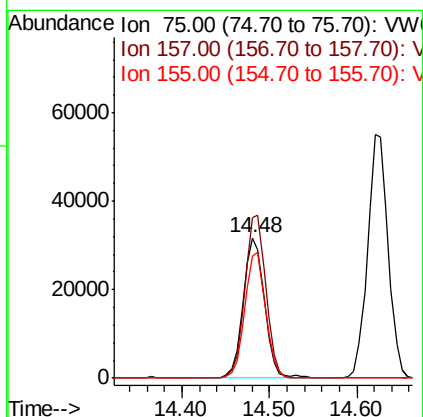
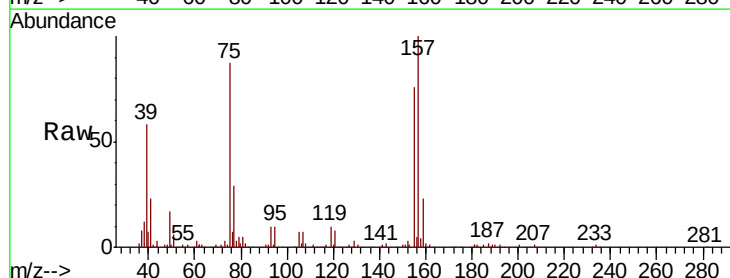
Instrument :
 MSVOA_W
 ClientSampleId :

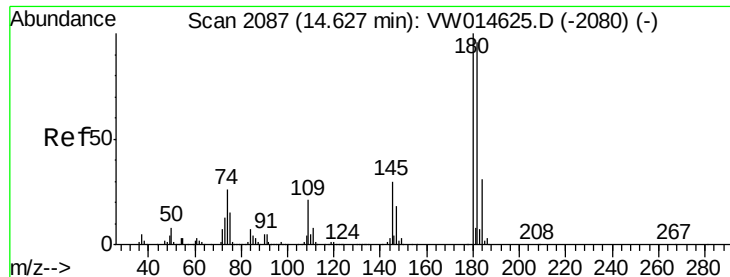
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	34.2	51.2
148	62.7	51.8	77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.150 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014643.D
 Acq: 14 Jan 2020 20:12

Tgt Ion	Ratio	Lower	Upper
75	100		
157	114.4	87.2	130.8
155	87.5	67.8	101.8

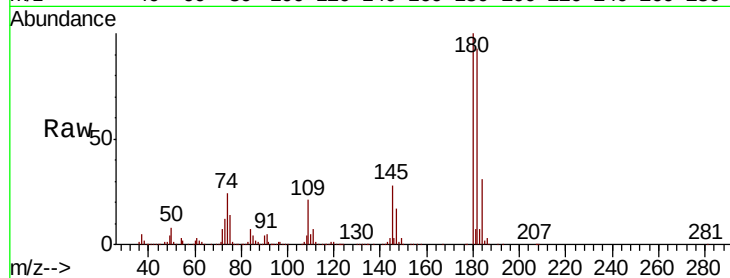




#67
 1,3,5-Trichlorobenzene
 Concen: 26.910 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014643.D
 Acq: 14 Jan 2020 20:12

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	180	Resp	618756
Ion Ratio	100	Lower	Upper
180	100		
182	95.1	75.8	113.6
184	30.6	24.0	36.0
145	27.7	22.6	33.8



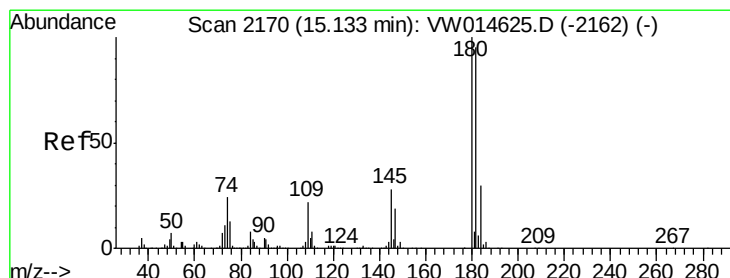
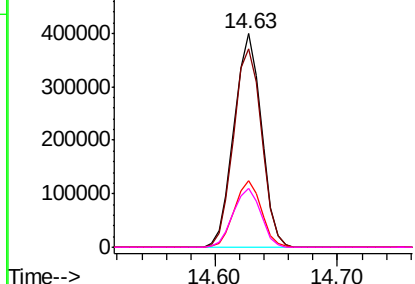
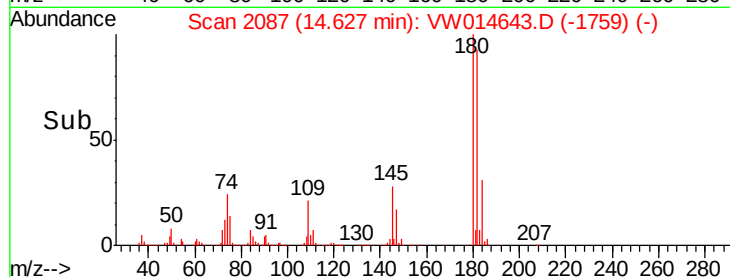
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

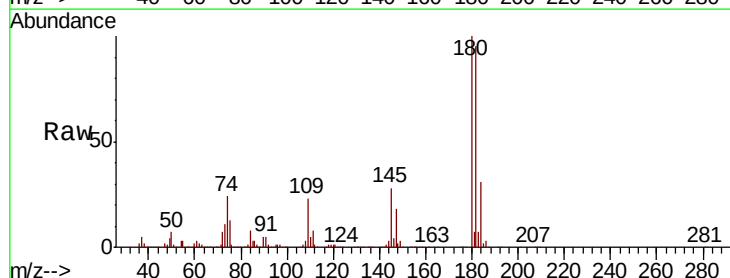
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 29.554 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014643.D
 Acq: 14 Jan 2020 20:12

Tgt Ion	180	Resp	509410
Ion Ratio	100	Lower	Upper
180	100		
182	95.6	76.2	114.4
145	28.3	23.1	34.7

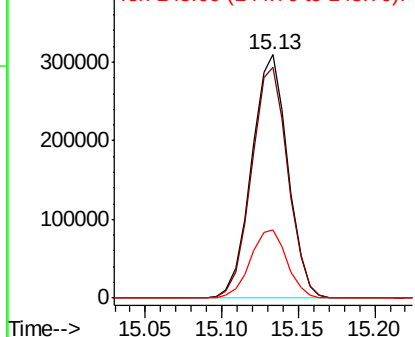
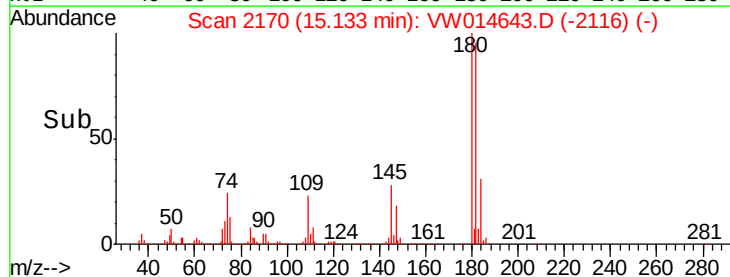


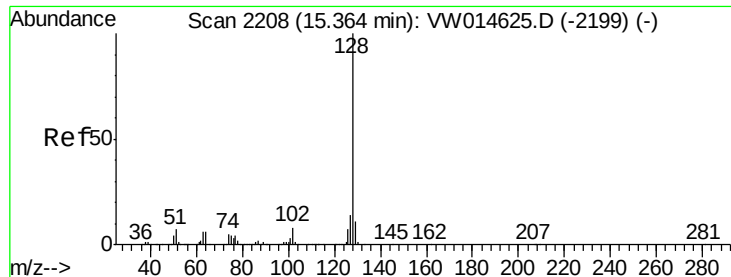
Abundance

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: 32.672 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

Instrument :

MSVOA_W

ClientSampleId :

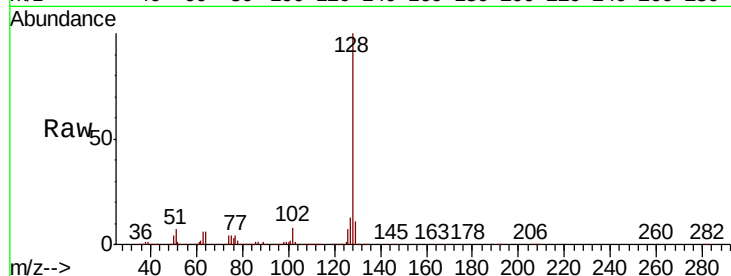
Tot Ion:128 Resp: 972246

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

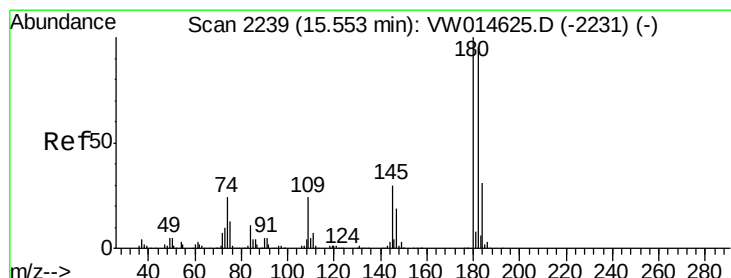
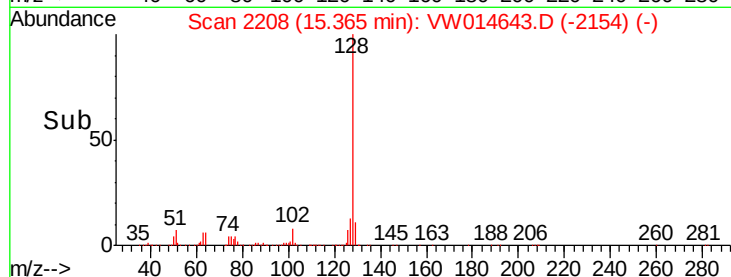
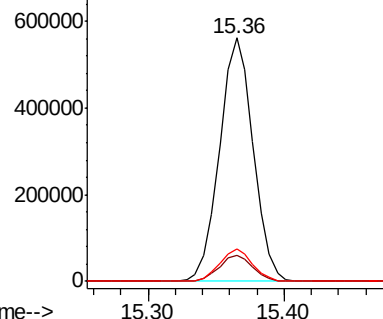
127 13.0 10.6 16.0



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: 29.838 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014643.D

Acq: 14 Jan 2020 20:12

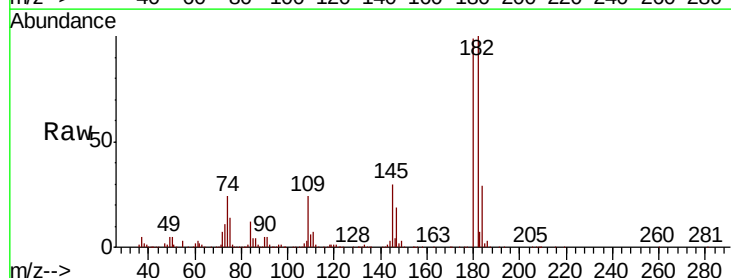
Tgt Ion:180 Resp: 466054

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.6

145 30.2 24.9 37.3



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

