

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121019\
 Data File : VW014275.D
 Acq On : 10 Dec 2019 10:50
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 11 04:04:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 10 15:39:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1200688	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1075238	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	527065	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	425289	23.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.56%
7) Chloroethane-d5	2.89	69	344103	25.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.80%
10) 1,1-Dichloroethene-d2	4.02	63	805042	25.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.28%
20) 2-Butanone-d5	7.07	46	290219	61.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.50%
24) Chloroform-d	7.64	84	801751	26.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.92%
26) 1,2-Dichloroethane-d4	8.31	65	425992	26.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.32%
29) Benzene-d6	8.27	84	1662440	26.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.52%
33) 1,2-Dichloropropane-d6	9.27	67	512677	26.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.76%
37) Toluene-d8	10.32	98	1503803	26.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.56%
38) trans-1,3-Dichloropropene-	10.57	79	217566	26.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.00%
39) 2-Hexanone-d5	10.92	63	231943	60.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	441457	27.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	502716	24.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	279566	24.481	ug/L	98
3) Chloromethane	2.21	50	262720	22.885	ug/L	97
5) Vinyl chloride	2.36	62	447121	26.304	ug/L	93
6) Bromomethane	2.78	94	264701	25.246	ug/L	100
8) Chloroethane	2.92	64	255041	26.263	ug/L	94
9) Trichlorofluoromethane	3.26	101	230375	27.377	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	408065	25.766	ug/L	93
12) 1,1-Dichloroethene	4.04	96	398830	24.874	ug/L	82
13) Acetone	4.12	43	307765	67.372	ug/L	99
14) Carbon disulfide	4.39	76	1231608	25.045	ug/L	100
15) Methyl Acetate	4.67	43	234384	27.126	ug/L	98
16) Methylene chloride	4.92	84	434650	23.614	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	520652	24.624	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	421496	24.547	ug/L	89
19) 1,1-Dichloroethane	6.21	63	773674	25.079	ug/L	100
21) 2-Butanone	7.17	43	377117	61.490	ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	448550	24.550	ug/L	97

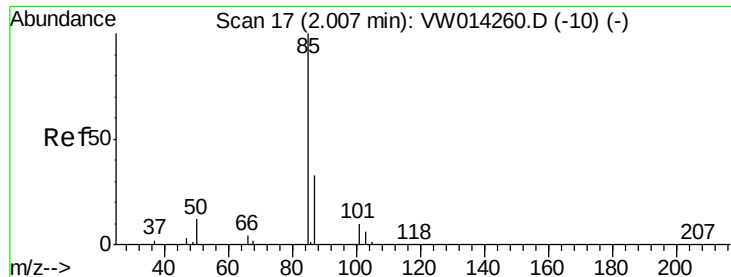
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121019\
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 Quant Title : VOC Analysis
 QLast Update : Tue Dec 10 15:39:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	198999	23.678	uq/L	86
25) Chloroform	7.67	83	739778	24.677	uq/L	100
27) 1,2-Dichloroethane	8.40	62	494537	25.192	uq/L	96
30) Cyclohexane	7.95	56	736845	27.455	uq/L	96
31) 1,1,1-Trichloroethane	7.87	97	569979	26.395	uq/L	97
32) Carbon tetrachloride	8.07	117	535232	26.123	uq/L	100
34) Benzene	8.32	78	1739362	25.548	uq/L	100
35) Trichloroethene	9.09	95	436693	25.069	uq/L	96
36) Methylcyclohexane	9.33	83	787041	26.888	uq/L	96
40) 1,2-Dichloropropane	9.37	63	438065	25.046	uq/L	99
41) Bromodichloromethane	9.64	83	525723	24.733	uq/L	99
42) cis-1,3-Dichloropropene	10.07	75	668871	25.536	uq/L	99
43) 4-Methyl-2-pentanone	10.21	43	659277	57.162	uq/L	98
44) Toluene	10.38	91	1836138	25.725	uq/L	100
45) trans-1,3-Dichloropropene	10.60	75	541137	25.522	uq/L	98
46) 1,1,2-Trichloroethane	10.79	97	323514	24.683	uq/L	97
47) Tetrachloroethene	10.86	164	359959	24.793	uq/L	96
49) 2-Hexanone	10.96	43	488873	59.537	uq/L	98
50) Dibromochloromethane	11.13	129	364806	24.800	uq/L	100
51) 1,2-Dibromoethane	11.23	107	315122	25.383	uq/L	98
52) Chlorobenzene	11.65	112	1137309	24.654	uq/L	94
53) Ethylbenzene	11.73	91	2013963	26.004	uq/L	97
54) m,p-Xylene	11.83	106	773132	25.951	uq/L	96
55) o-xylene	12.16	106	726299	25.702	uq/L	99
56) Styrene	12.18	104	1245497	25.764	uq/L	96
57) Isopropylbenzene	12.46	105	1951973	26.607	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	419712	25.801	uq/L	99
59) 1,2,3-Trichloropropane	12.77	75	318701	26.366	uq/L	98
62) Bromoform	12.35	173	219749	24.565	uq/L	99
63) 1,3-Dichlorobenzene	13.50	146	868394	24.513	uq/L	97
64) 1,4-Dichlorobenzene	13.58	146	867939	24.114	uq/L	96
65) 1,2-Dichlorobenzene	13.87	146	805518	24.451	uq/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	67463	26.546	uq/L #	81
67) 1,3,5-Trichlorobenzene	14.63	180	638261	25.042	uq/L	100
68) 1,2,4-trichlorobenzene	15.13	180	492736	24.799	uq/L	97
69) Naphthalene	15.36	128	995018	26.629	uq/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	462199	24.805	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 24.481 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Instrument :

MSVOA_W

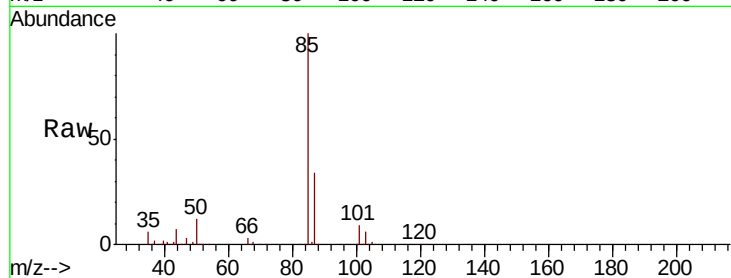
ClientSampled :

Tot Ion: 85 Resp: 279566

Ion Ratio Lower Upper

85 100

87 30.4 22.1 41.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

100000

80000

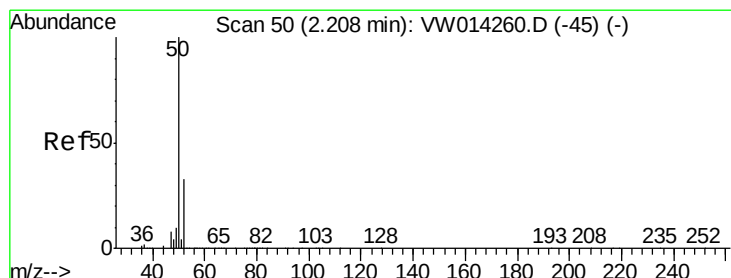
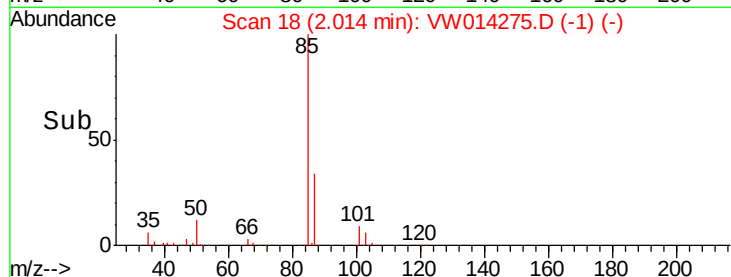
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 22.885 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014275.D

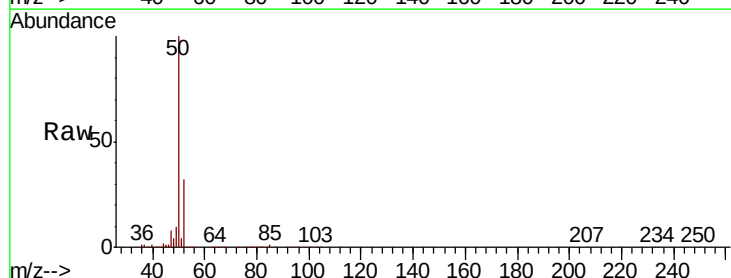
Acq: 10 Dec 2019 10:50

Tgt Ion: 50 Resp: 262720

Ion Ratio Lower Upper

50 100

52 32.4 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

200000

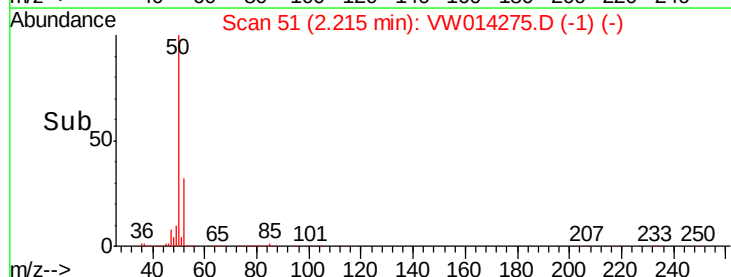
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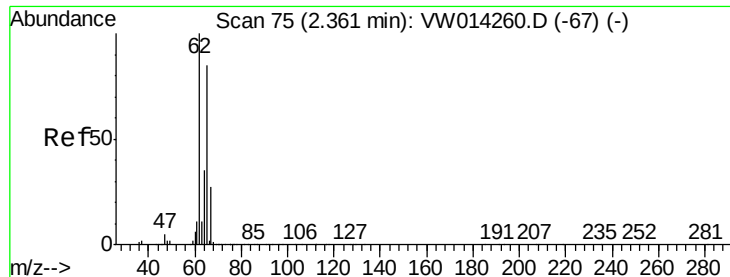
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 26.304 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Instrument :

MSVOA_W

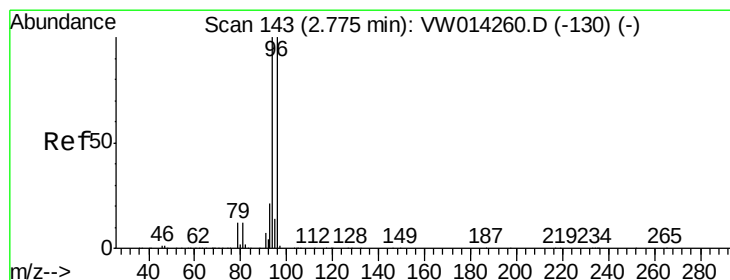
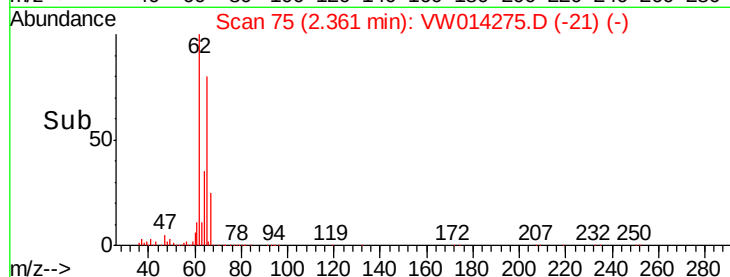
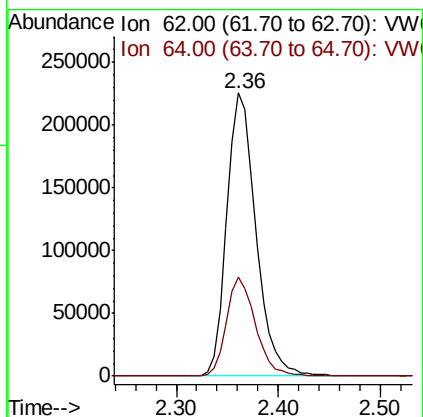
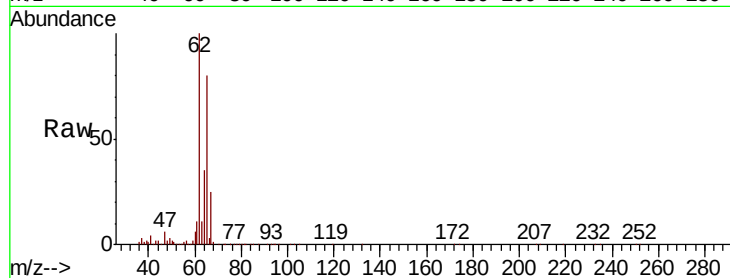
ClientSampled :

Tot Ion: 62 Resp: 447121

Ion Ratio Lower Upper

62 100

64 35.0 21.8 40.4



#6

Bromomethane

Concen: 25.246 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014275.D

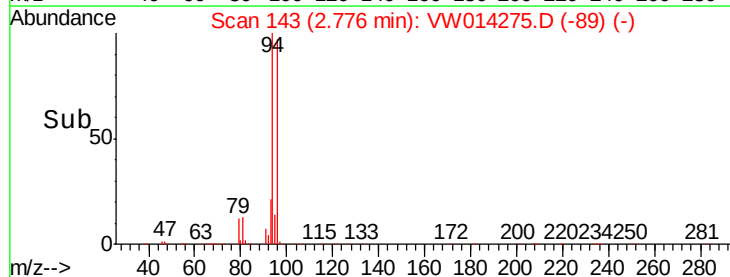
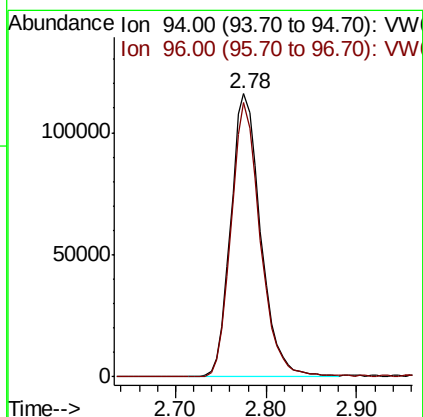
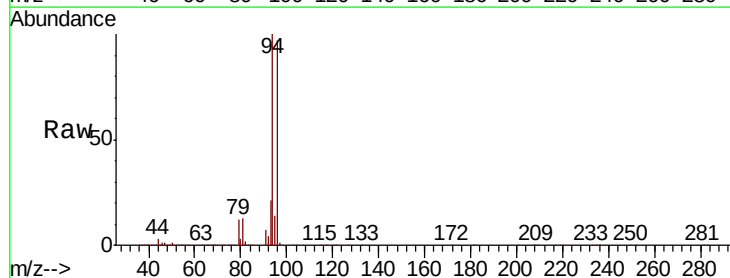
Acq: 10 Dec 2019 10:50

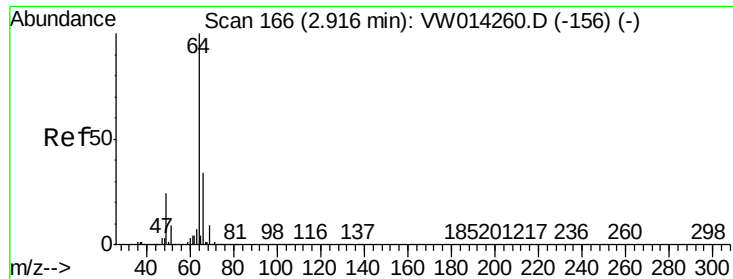
Tgt Ion: 94 Resp: 264701

Ion Ratio Lower Upper

94 100

96 94.5 9.4 178.8





#8

Chloroethane

Concen: 26.263 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Instrument :

MSVOA_W

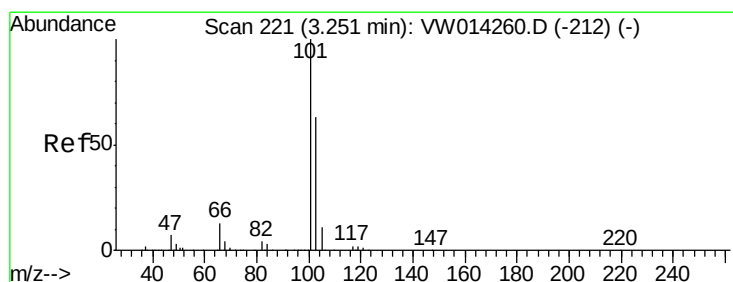
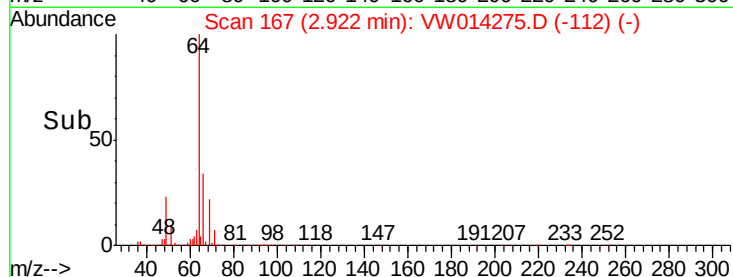
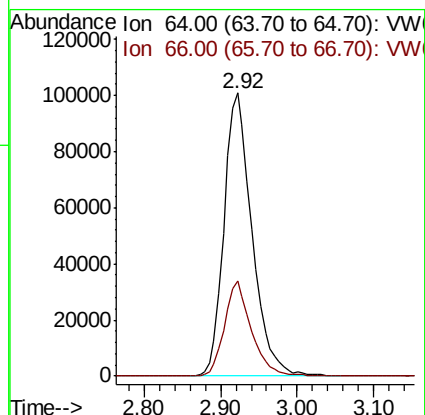
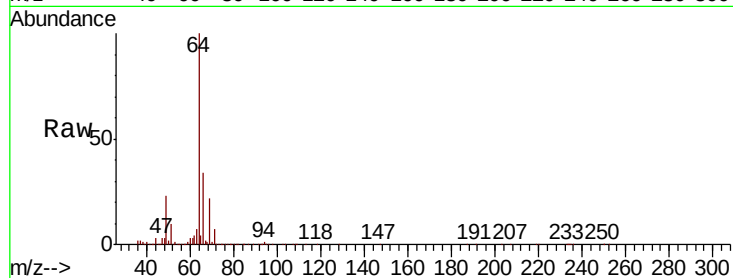
ClientSampleId :

Tot Ion: 64 Resp: 255041

Ion Ratio Lower Upper

64 100

66 33.6 21.2 39.4



#9

Trichlorofluoromethane

Concen: 27.377 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW014275.D

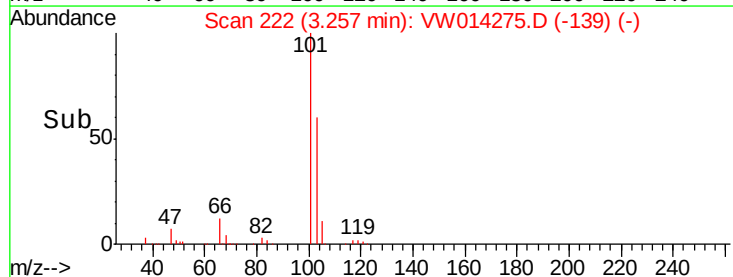
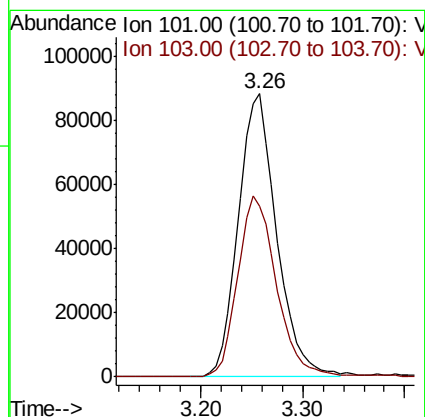
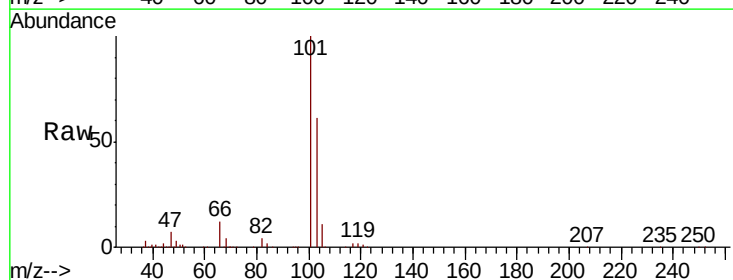
Acq: 10 Dec 2019 10:50

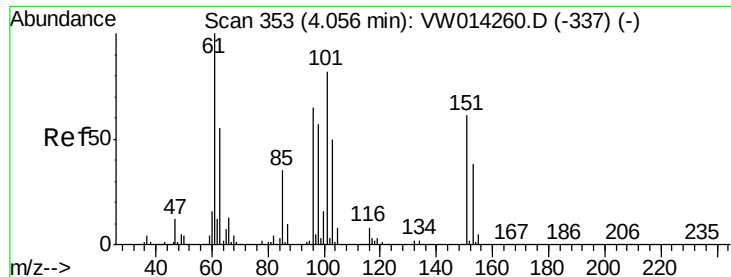
Tgt Ion: 101 Resp: 230375

Ion Ratio Lower Upper

101 100

103 64.4 45.4 84.2





#11

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

Concen: 25.766 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

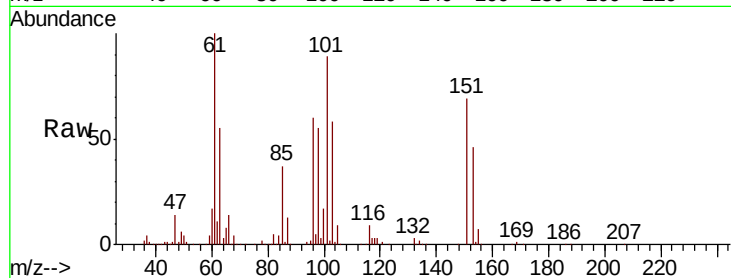
Tot Ion:101 Resp: 408065

Ion Ratio Lower Upper

101 100

85 41.7 31.4 47.2

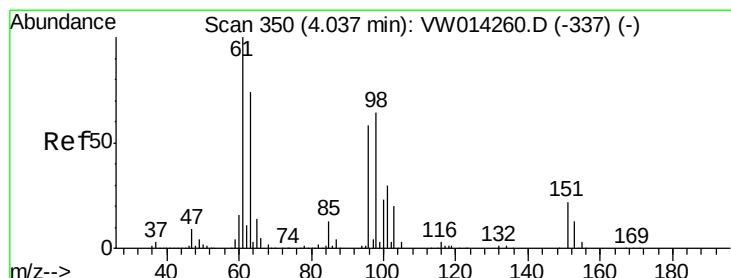
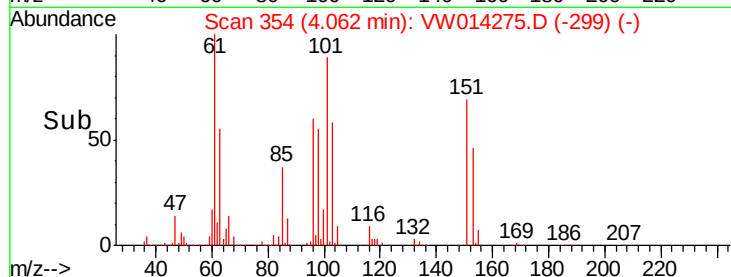
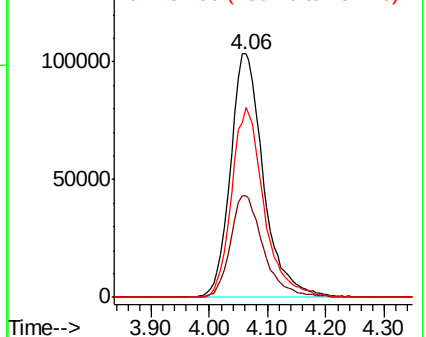
151 76.1 66.9 100.3



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: 24.874 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

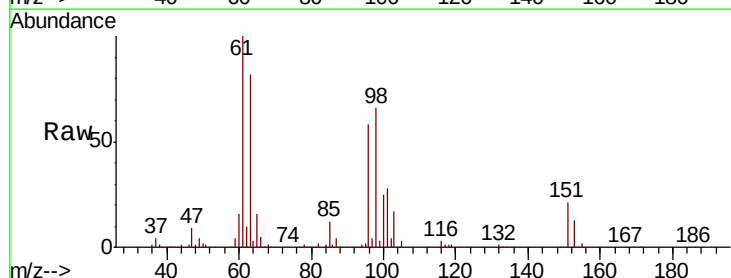
Tgt Ion: 96 Resp: 398830

Ion Ratio Lower Upper

96 100

61 173.5 109.8 204.0

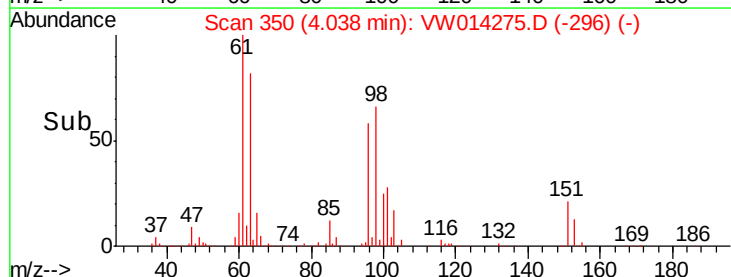
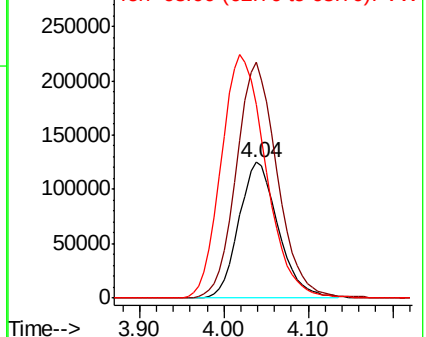
63 142.7 80.7 149.9

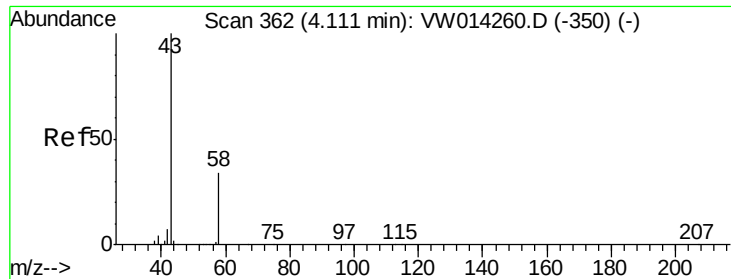


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 67.372 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Instrument :

MSVOA_W

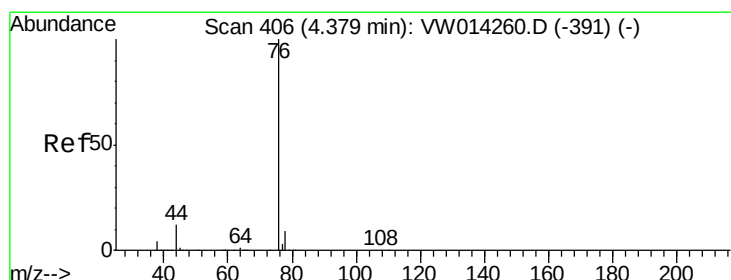
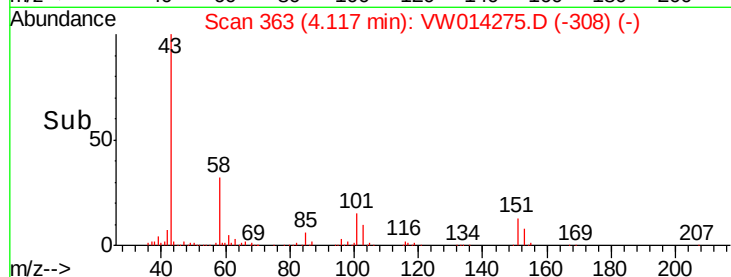
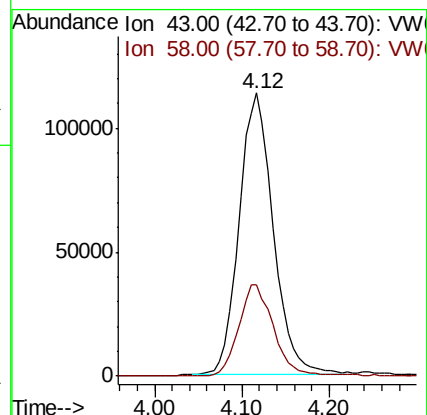
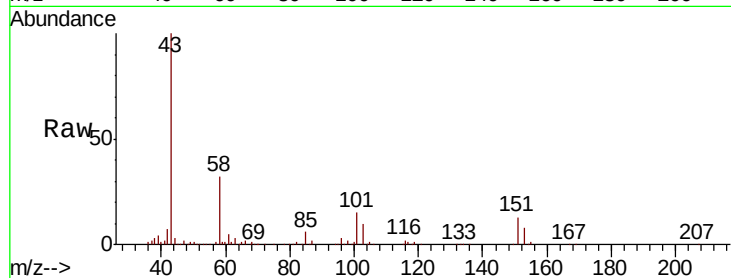
ClientSampled :

Tot Ion: 43 Resp: 307765

Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.4



#14

Carbon disulfide

Concen: 25.045 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014275.D

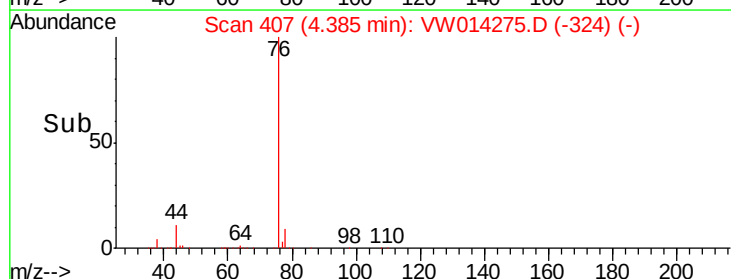
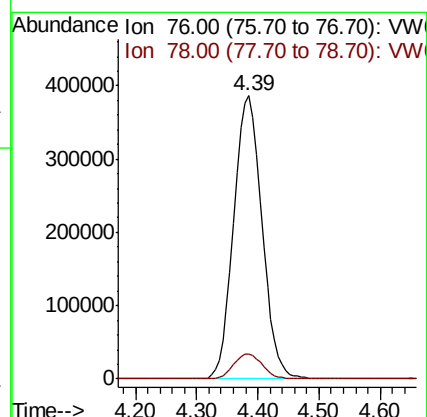
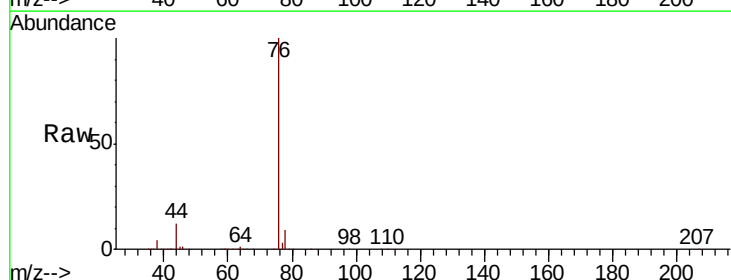
Acq: 10 Dec 2019 10:50

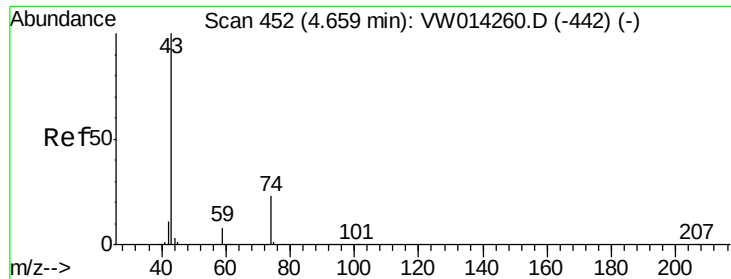
Tgt Ion: 76 Resp: 1231608

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

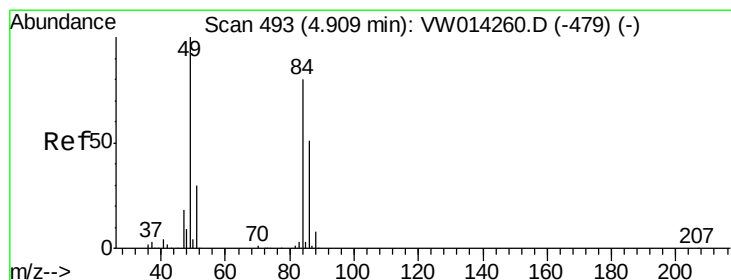
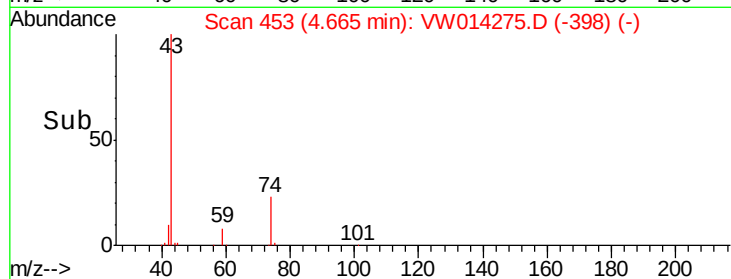
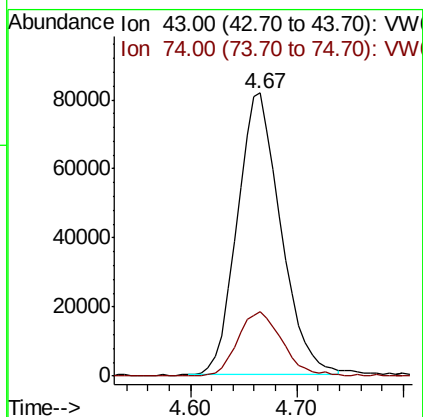
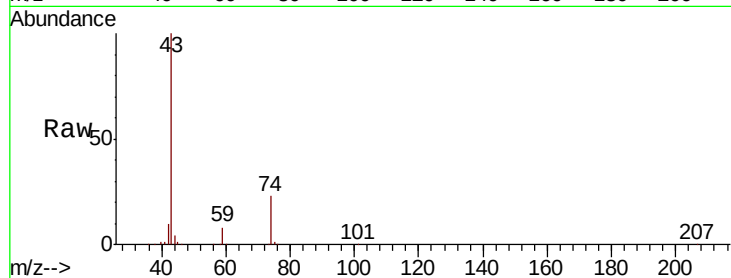




#15
Methvl Acetate
Concen: 27.126 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW014275.D
Acq: 10 Dec 2019 10:50

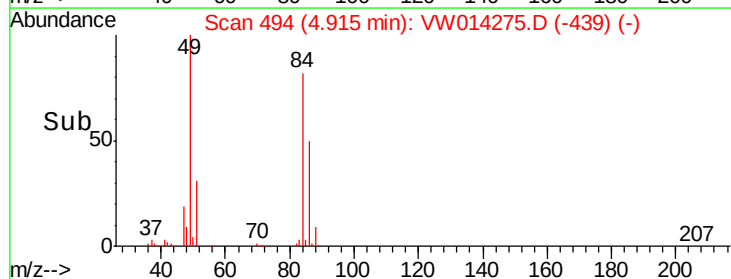
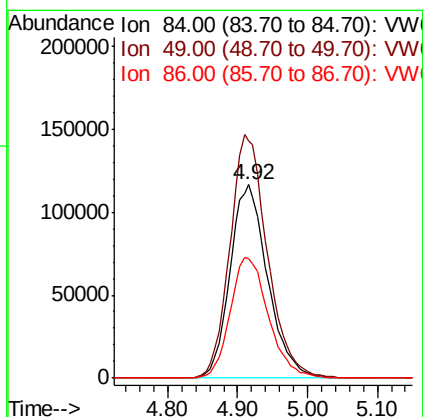
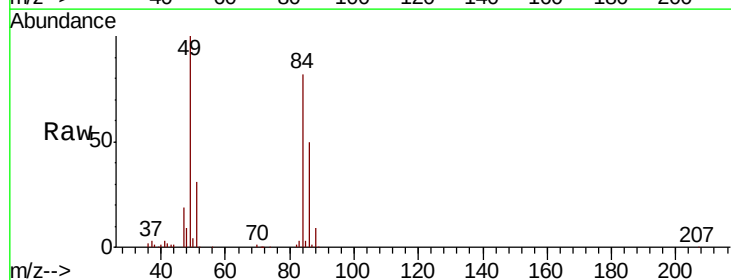
Instrument :
MSVOA_W
ClientSampled :

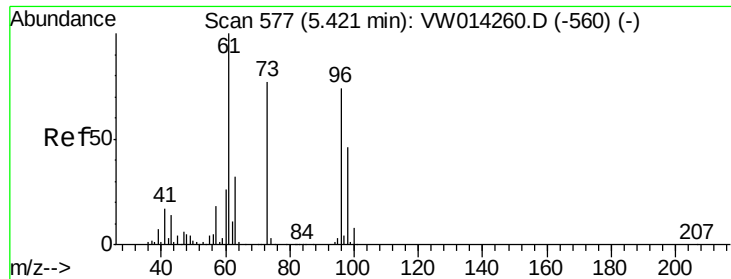
Tot Ion: 43 Resp: 234384
Ion Ratio Lower Upper
43 100
74 23.0 19.3 28.9



#16
Methylene chloride
Concen: 23.614 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014275.D
Acq: 10 Dec 2019 10:50

Tgt Ion: 84 Resp: 434650
Ion Ratio Lower Upper
84 100
49 122.5 84.2 156.4
86 61.8 43.7 81.1

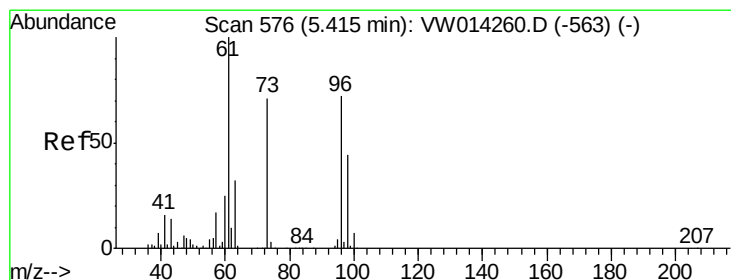
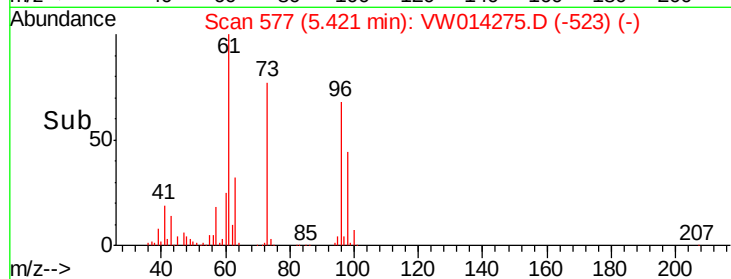
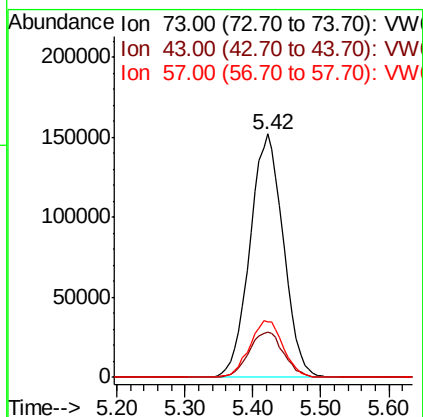
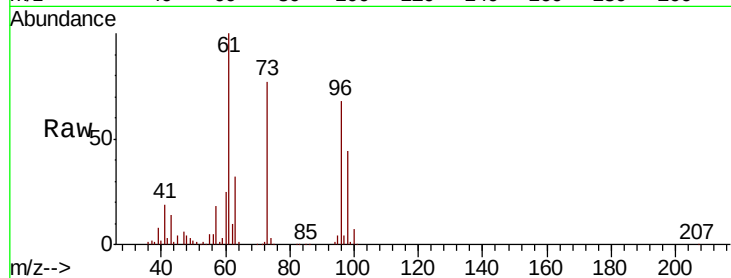




#17
Methyl tert-butyl Ether
Concen: 24.624 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014275.D
Acq: 10 Dec 2019 10:50

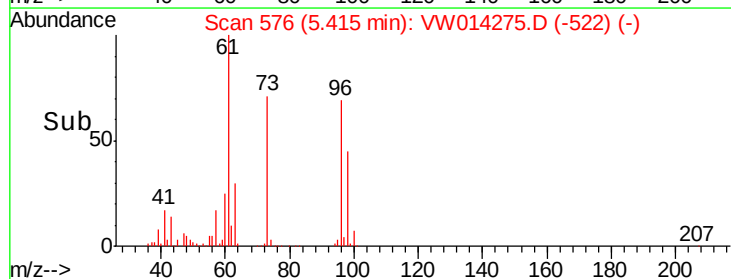
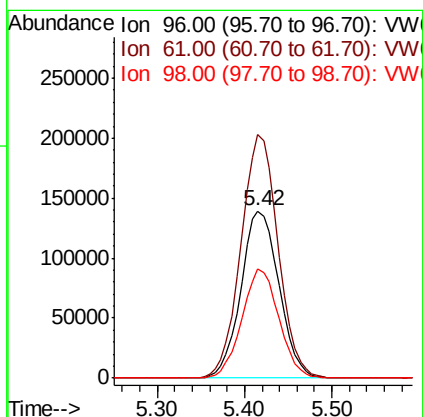
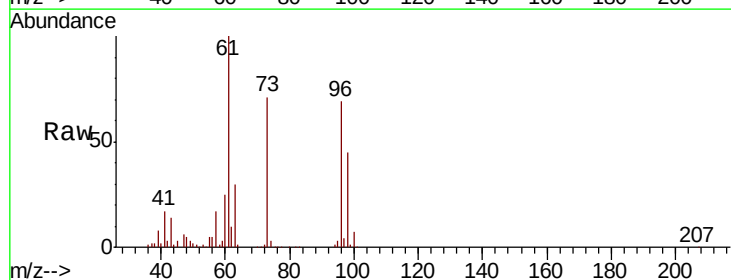
Instrument :
MSVOA_W
ClientSampled :

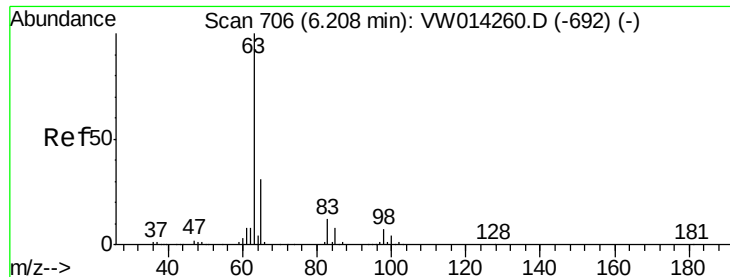
Tot Ion: 73 Resp: 520652
Ion Ratio Lower Upper
73 100
43 19.4 15.5 23.3
57 23.3 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 24.547 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014275.D
Acq: 10 Dec 2019 10:50

Tgt Ion: 96 Resp: 421496
Ion Ratio Lower Upper
96 100
61 145.4 90.6 168.2
98 65.3 42.9 79.7

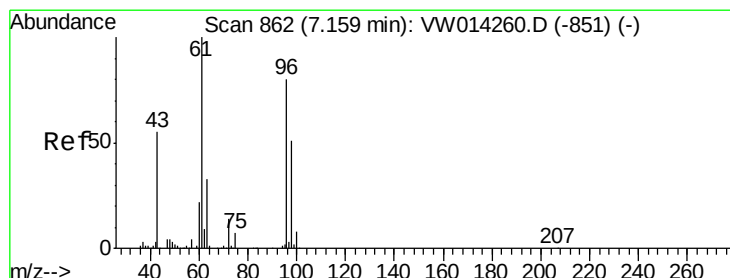
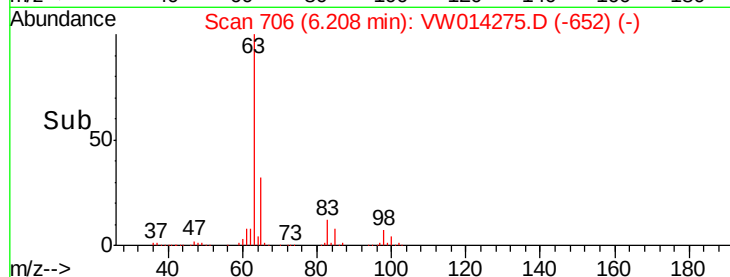
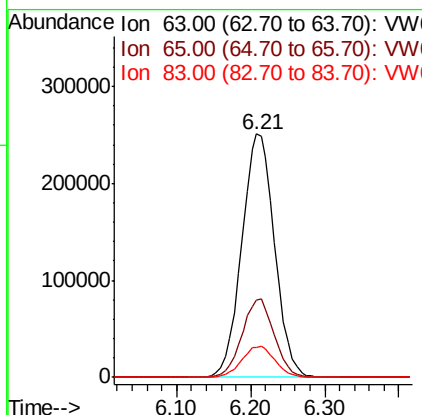
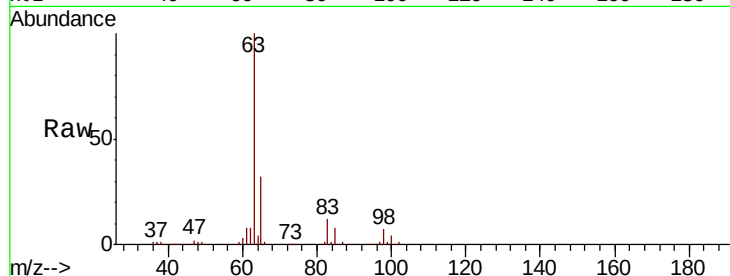




#19
 1,1-Dichloroethane
 Concen: 25.079 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW014275.D
 Acq: 10 Dec 2019 10:50

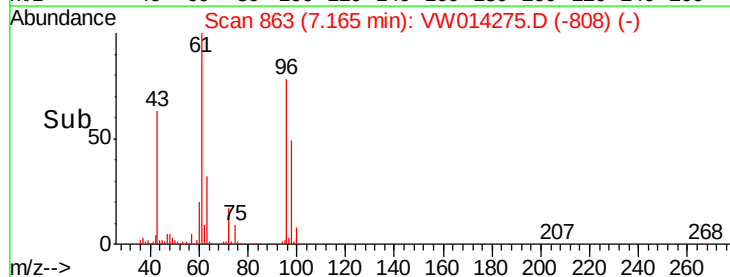
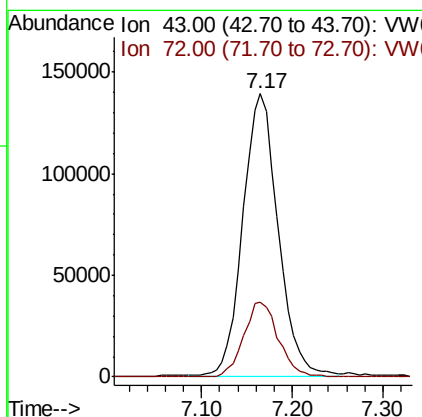
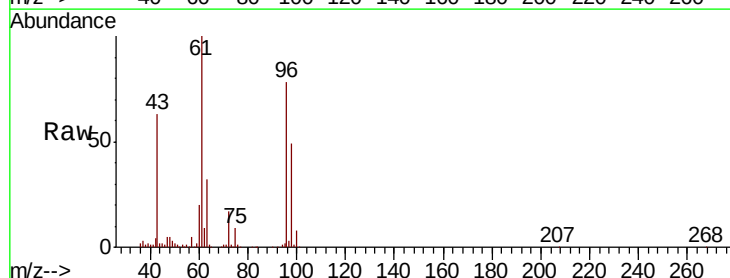
Instrument :
 MSVOA_W
 ClientSampleId :

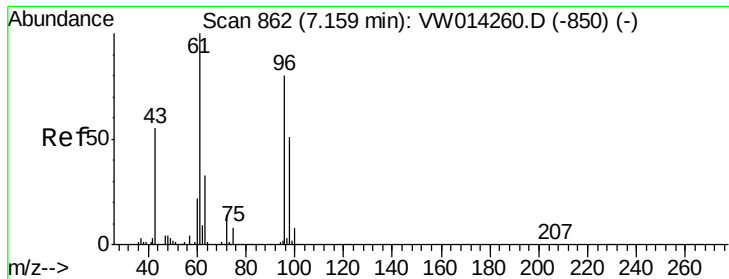
Tot Ion: 63 Resp: 773674
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.1 41.1
 83 12.5 9.0 16.6



#21
 2-Butanone
 Concen: 61.490 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW014275.D
 Acq: 10 Dec 2019 10:50

Tgt Ion: 43 Resp: 377117
 Ion Ratio Lower Upper
 43 100
 72 26.1 14.1 42.2



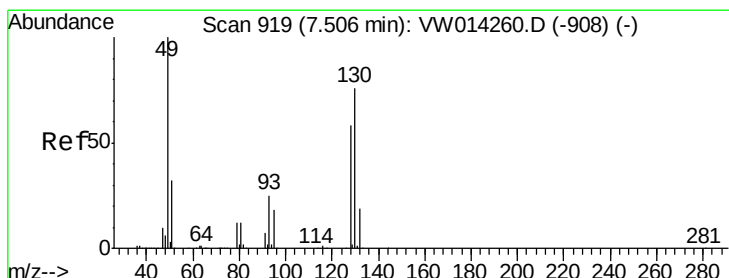
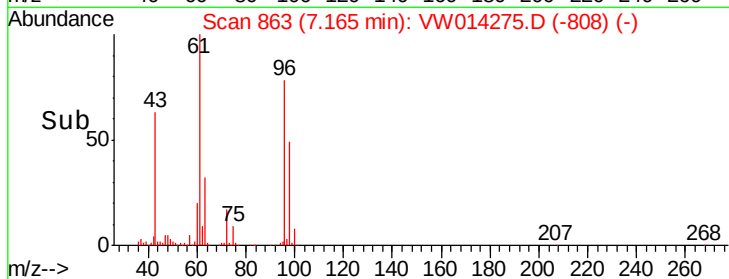
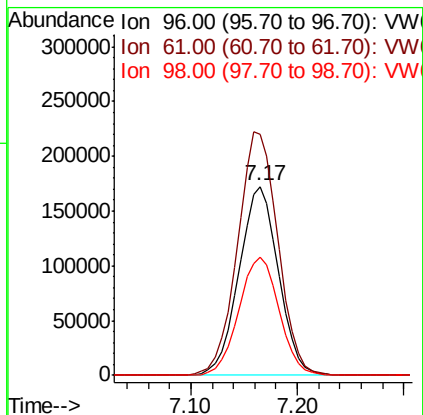
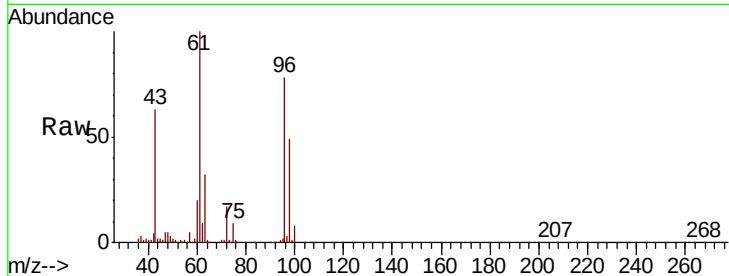


#22

cis-1,2-Dichloroethene
 Concen: 24.550 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW014275.D
 Acq: 10 Dec 2019 10:50

Instrument :
 MSVOA_W
 ClientSampleId :

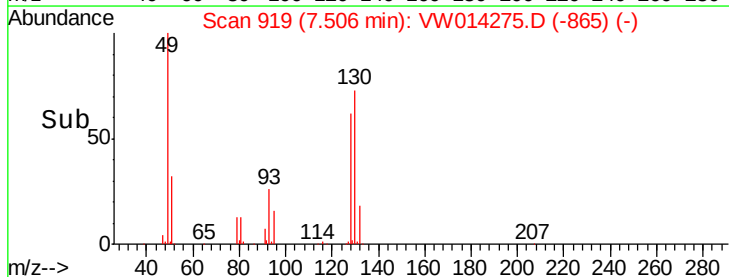
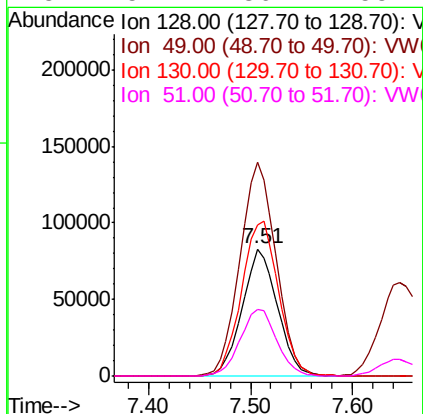
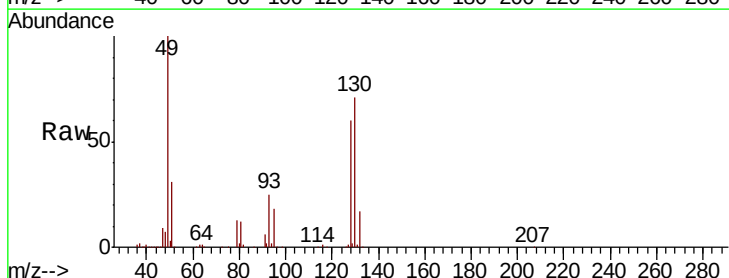
Tot Ion	Ratio	Lower	Upper
96	100		
61	127.5	86.9	161.5
98	62.9	45.5	84.5

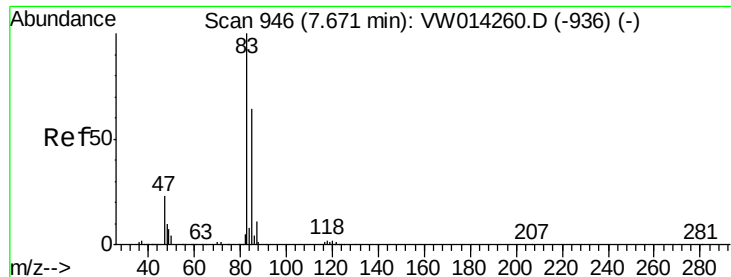


#23

Bromochloromethane
 Concen: 23.678 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW014275.D
 Acq: 10 Dec 2019 10:50

Tgt Ion	Ratio	Lower	Upper
128	100		
49	167.9	95.1	176.5
130	118.7	85.0	158.0
51	52.2	36.7	55.1

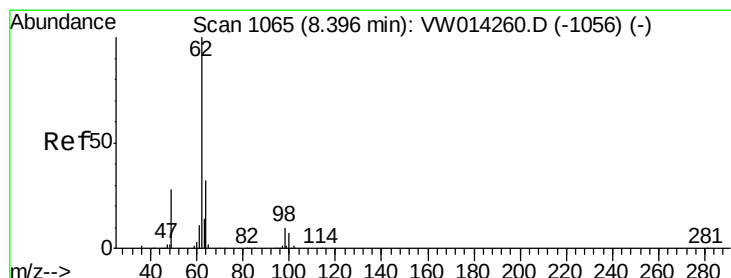
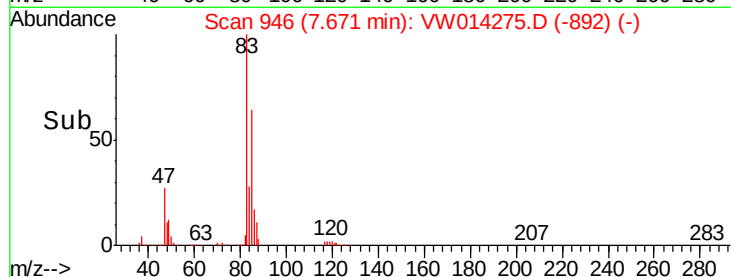
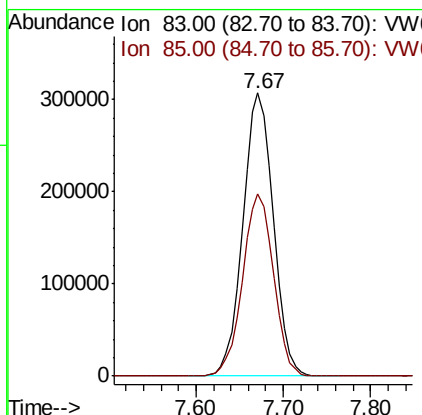
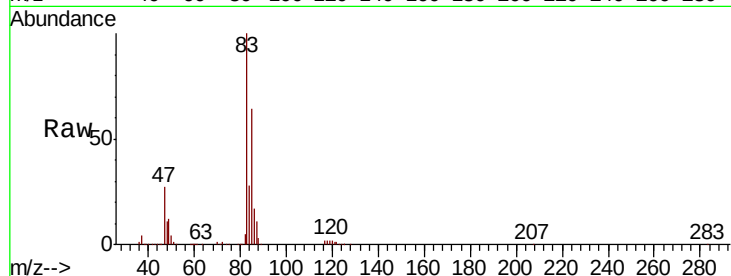




#25
Chloroform
Concen: 24.677 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014275.D
Acq: 10 Dec 2019 10:50

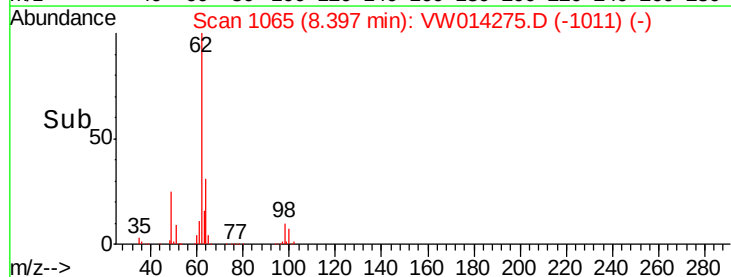
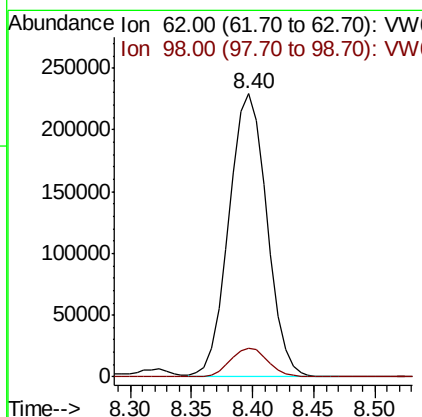
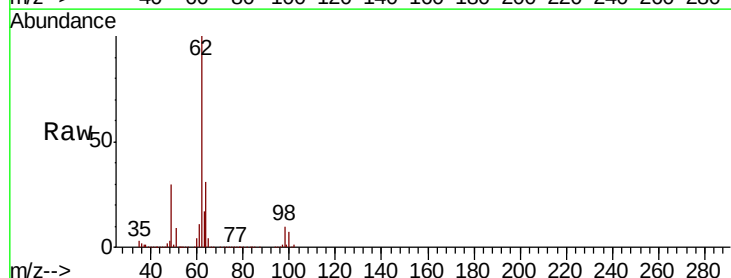
Instrument :
MSVOA_W
ClientSampleId :

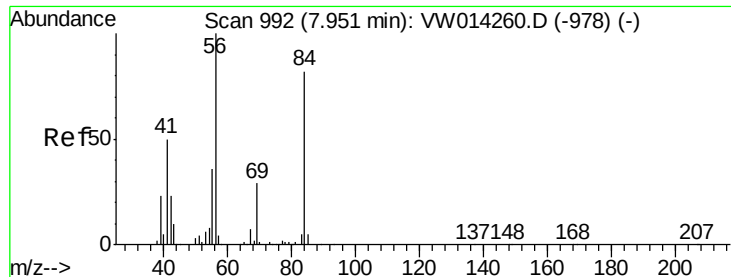
Tot Ion: 83 Resp: 739778
Ion Ratio Lower Upper
83 100
85 65.6 46.1 85.7



#27
1,2-Dichloroethane
Concen: 25.192 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014275.D
Acq: 10 Dec 2019 10:50

Tgt Ion: 62 Resp: 494537
Ion Ratio Lower Upper
62 100
98 10.0 9.3 13.9

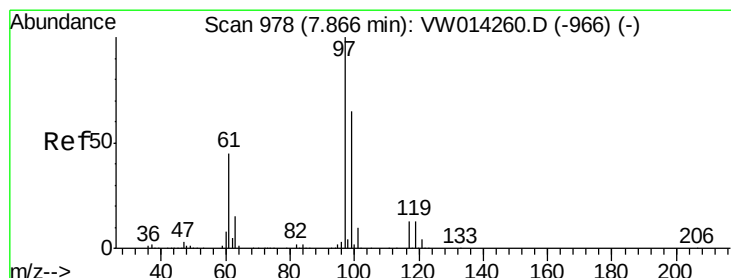
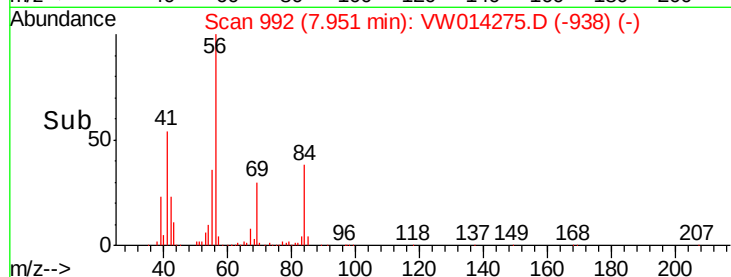
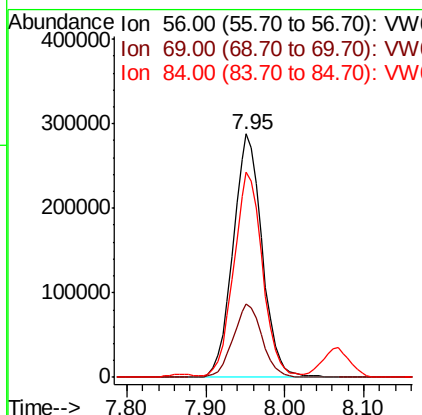
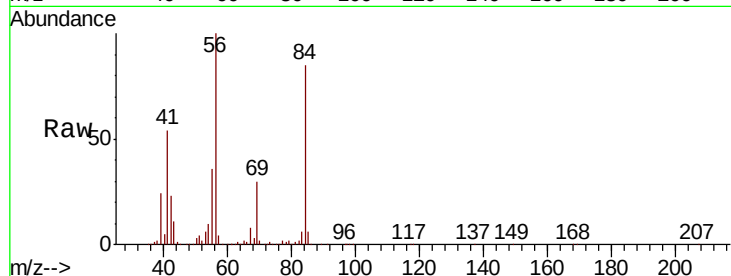




#30
Cyclohexane
Concen: 27.455 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014275.D
Acq: 10 Dec 2019 10:50

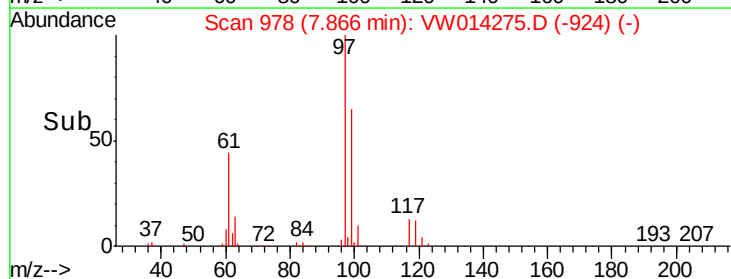
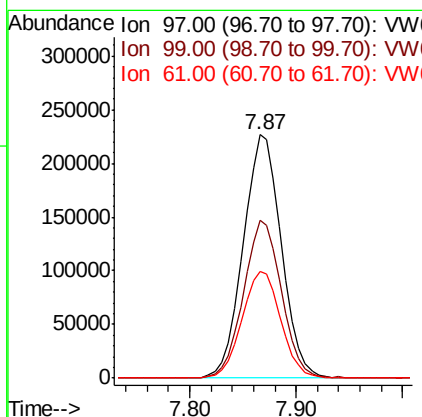
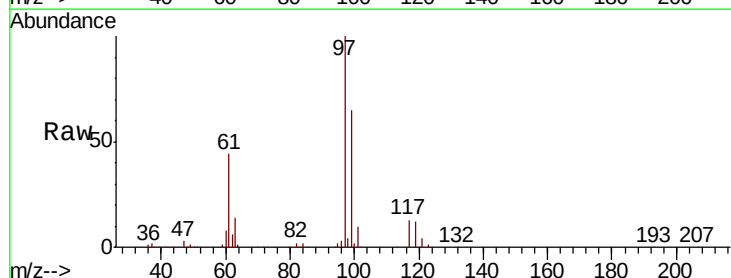
Instrument :
MSVOA_W
ClientSampled :

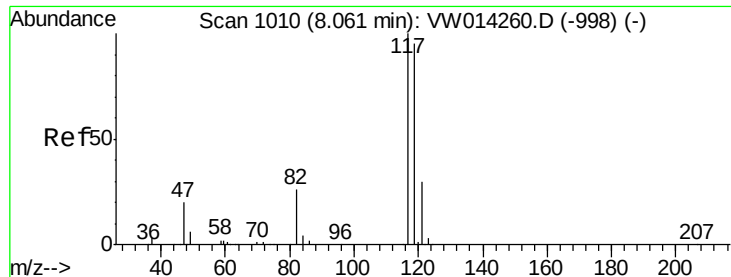
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.6	37.0
84	83.5	70.2	105.2



#31
1,1,1-Trichloroethane
Concen: 26.395 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW014275.D
Acq: 10 Dec 2019 10:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	44.5	32.8	49.2





#32

Carbon tetrachloride

Concen: 26.123 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Instrument :

MSVOA_W

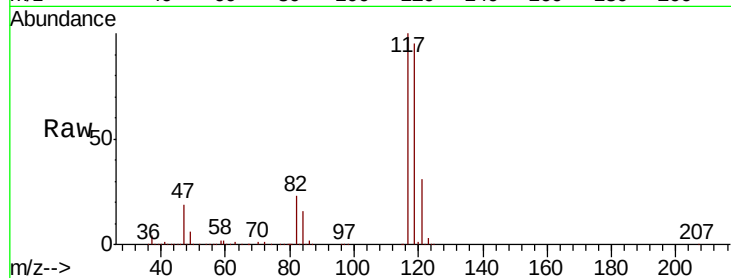
ClientSampleId :

Tot Ion:117 Resp: 535232

Ion Ratio Lower Upper

117 100

119 95.5 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

250000

200000

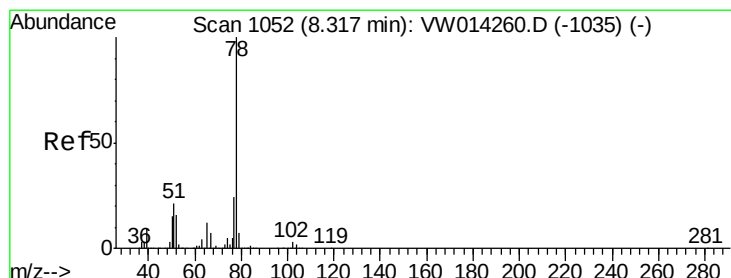
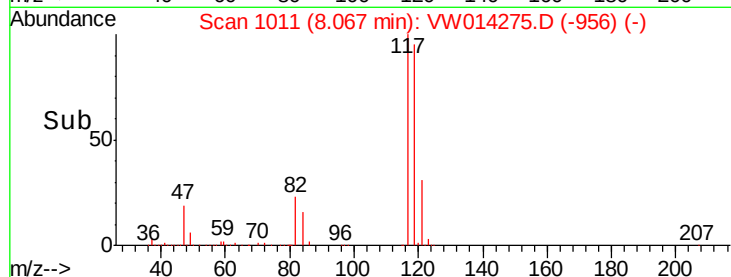
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 25.548 ug/L

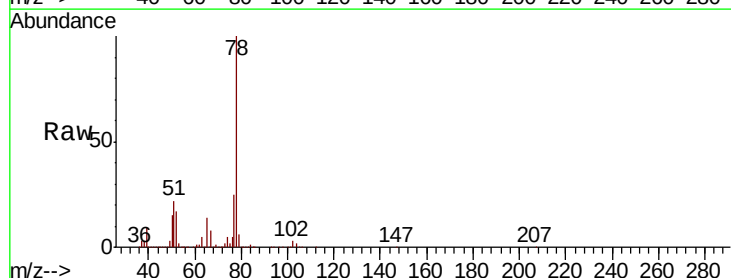
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Tgt Ion: 78 Resp: 1739362



Abundance Ion 78.00 (77.70 to 78.70): VW

800000

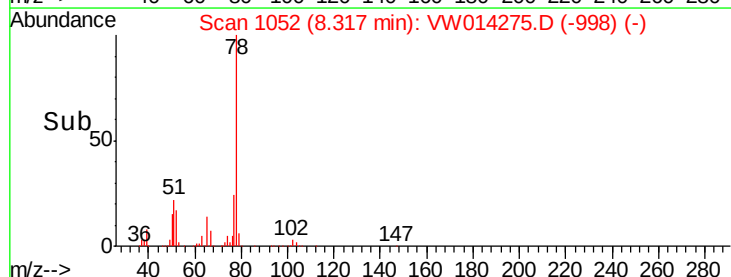
600000

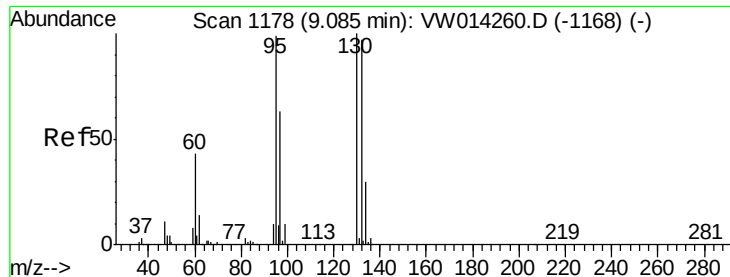
400000

200000

0

Time-->

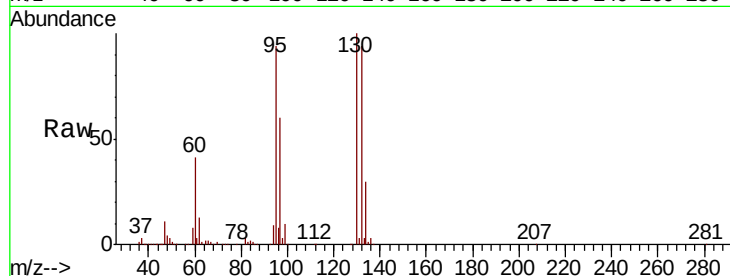




#35
 Trichloroethene
 Concen: 25.069 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: VW014275.D
 Acq: 10 Dec 2019 10:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	95	Resp	436693
Ion Ratio	Lower	Upper	
95	100		
97	64.4	45.1	83.9
132	99.6	73.7	136.9
130	103.0	76.6	142.2



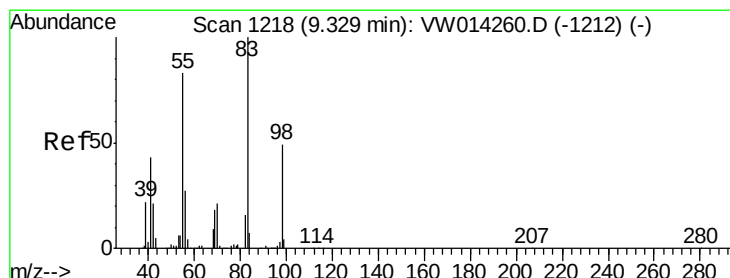
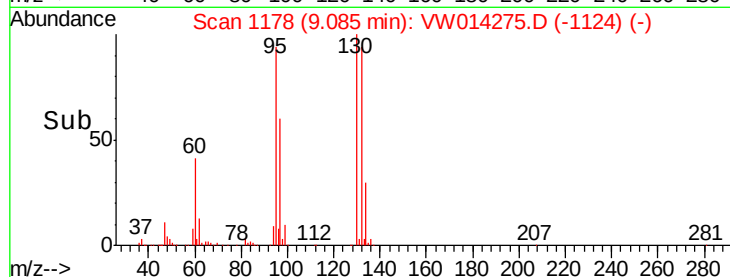
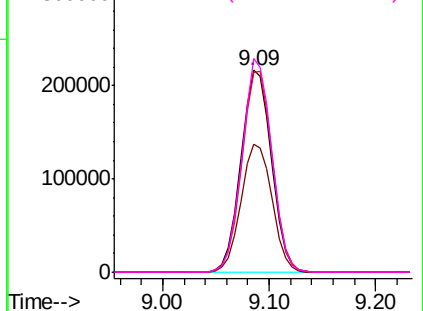
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

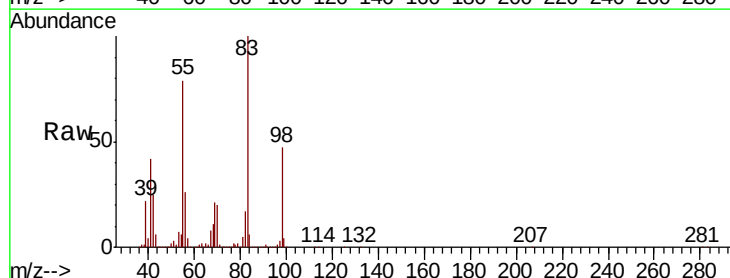
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 26.888 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW014275.D
 Acq: 10 Dec 2019 10:50

Tgt Ion	83	Resp	787041
Ion Ratio	Lower	Upper	
83	100		
55	79.4	59.8	89.8
98	48.6	39.5	59.3

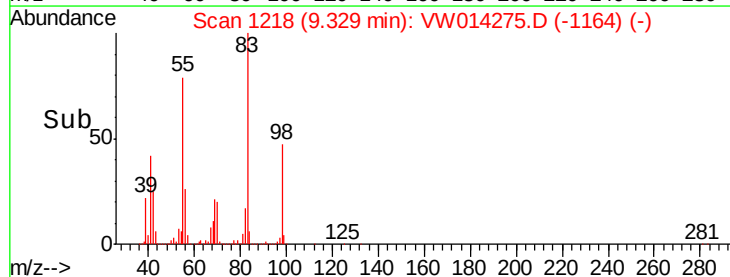
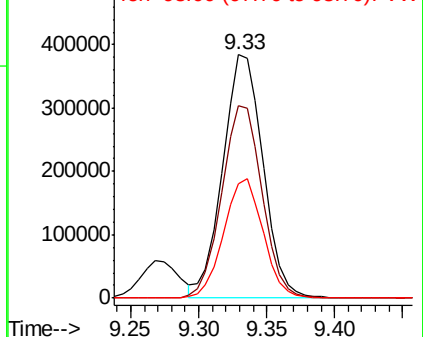


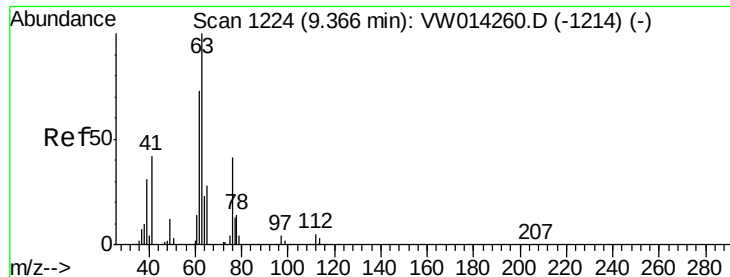
Abundance

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: 25.046 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Instrument :

MSVOA_W

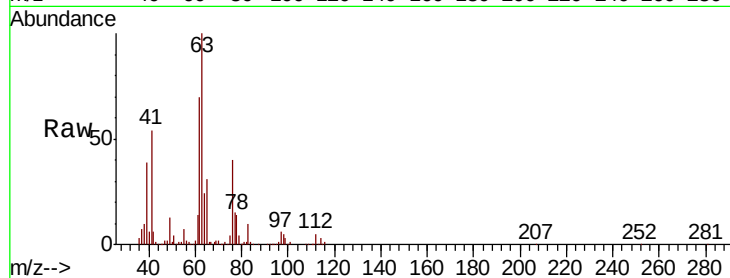
ClientSampleId :

Tot Ion: 63 Resp: 438065

Ion Ratio Lower Upper

63 100

112 4.6 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

9.37

250000

200000

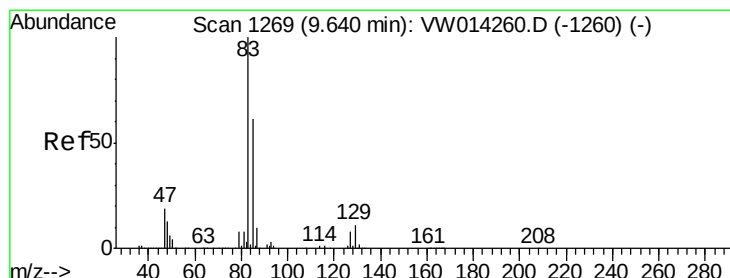
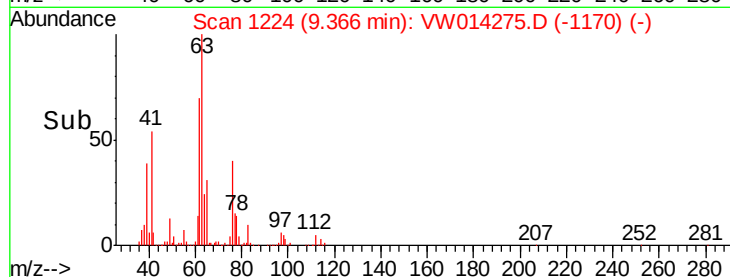
150000

100000

50000

0

Time--> 9.25 9.30 9.35 9.40 9.45



#41

Bromodichloromethane

Concen: 24.733 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

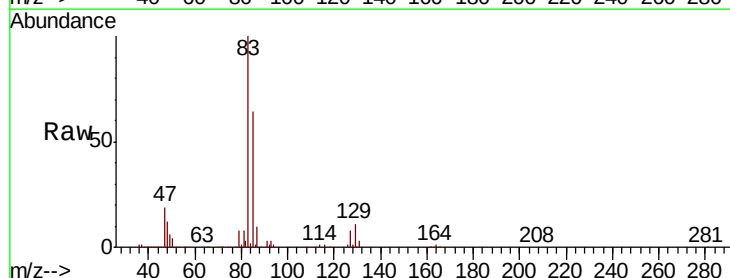
Tgt Ion: 83 Resp: 525723

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.7

127 8.4 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

9.64

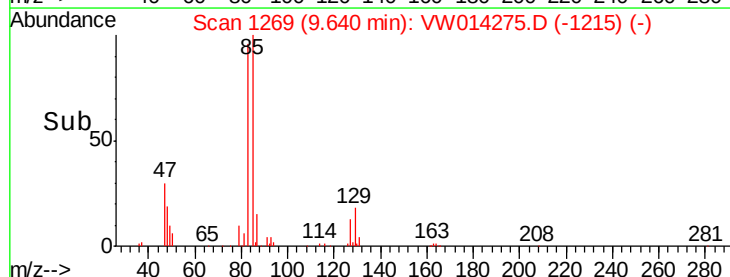
300000

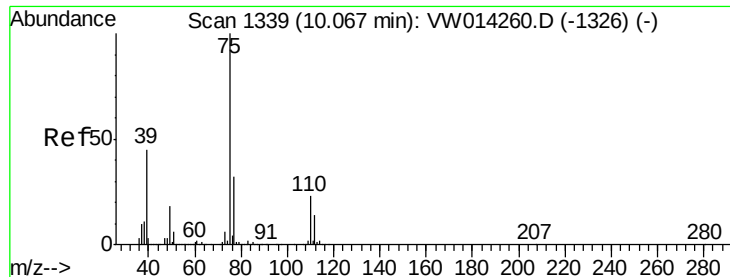
200000

100000

0

Time--> 9.55 9.60 9.65 9.70 9.75





#42

cis-1,3-Dichloropropene

Concen: 25.536 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Instrument :

MSVOA_W

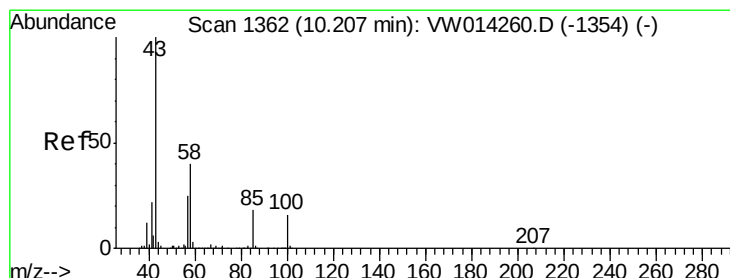
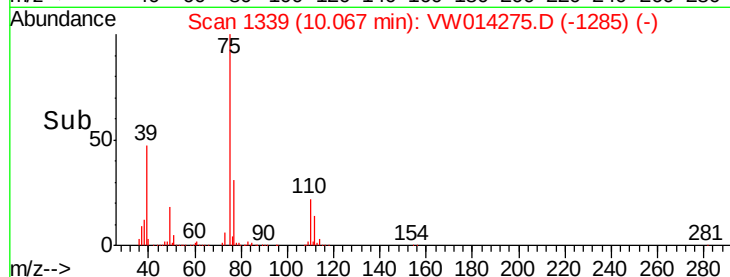
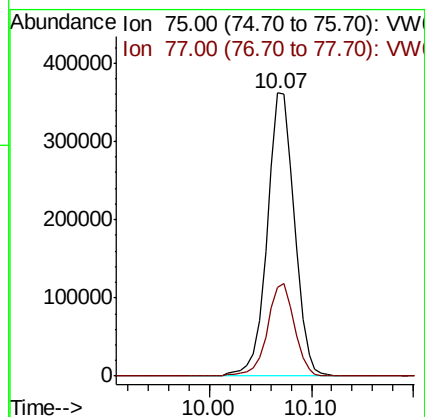
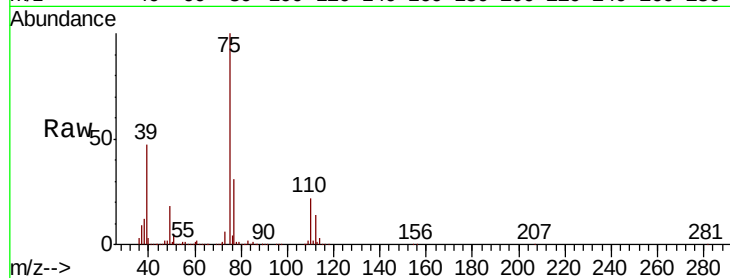
ClientSampled :

Tot Ion: 75 Resp: 668871

Ion Ratio Lower Upper

75 100

77 31.2 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 57.162 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

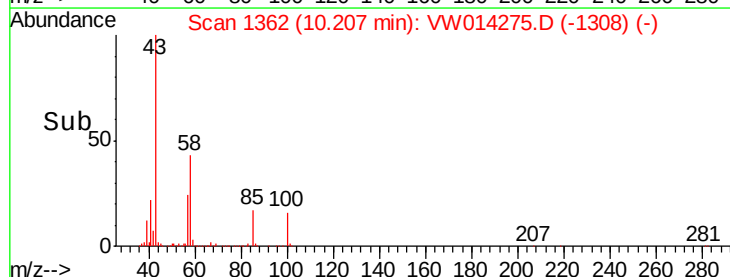
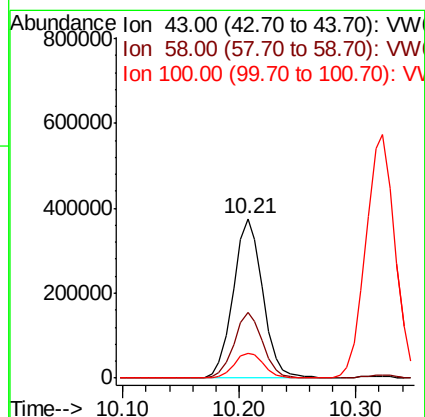
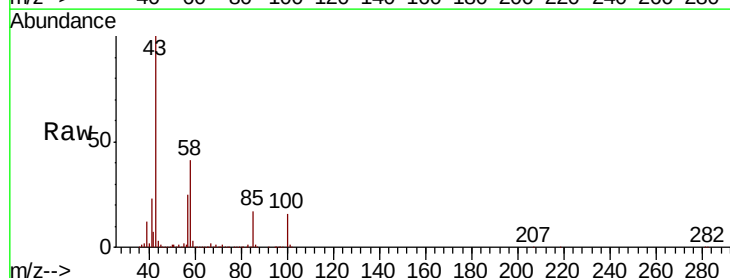
Tgt Ion: 43 Resp: 659277

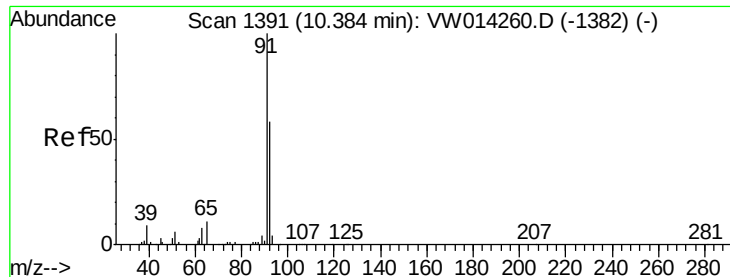
Ion Ratio Lower Upper

43 100

58 40.1 32.6 49.0

100 15.8 13.8 20.8





#44

Toluene

Concen: 25.725 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Instrument :

MSVOA_W

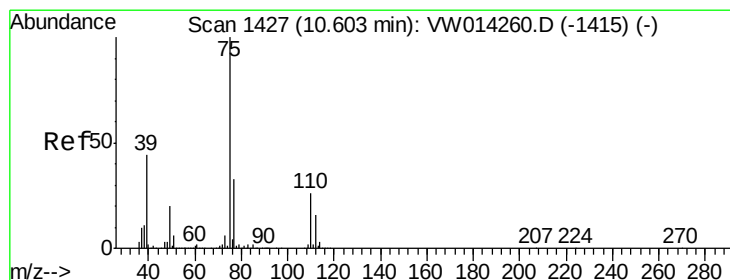
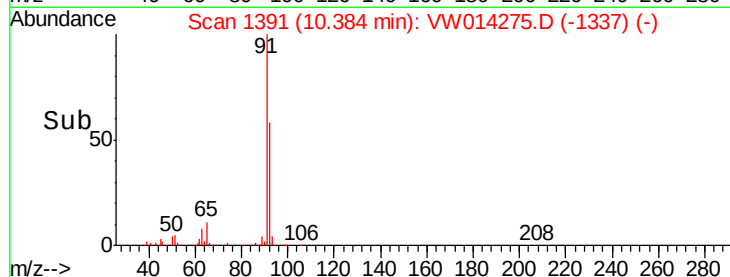
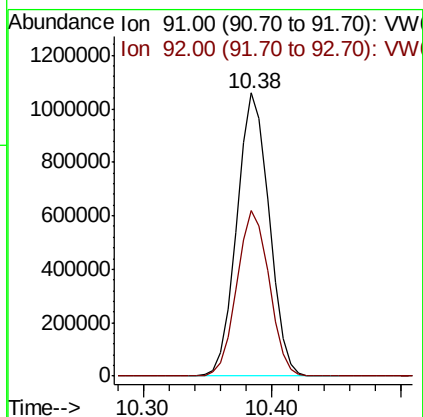
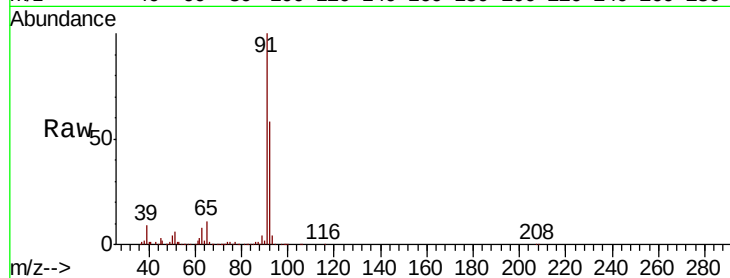
ClientSampled :

Tot Ion: 91 Resp: 1836138

Ion Ratio Lower Upper

91 100

92 58.5 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 25.522 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014275.D

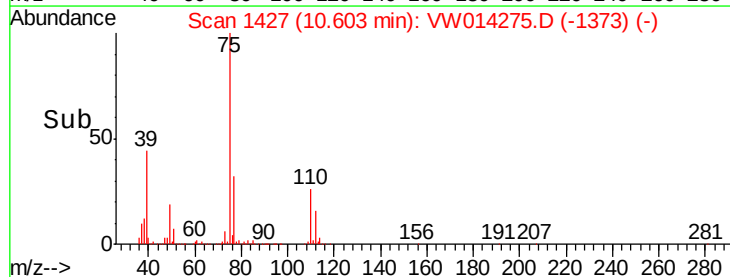
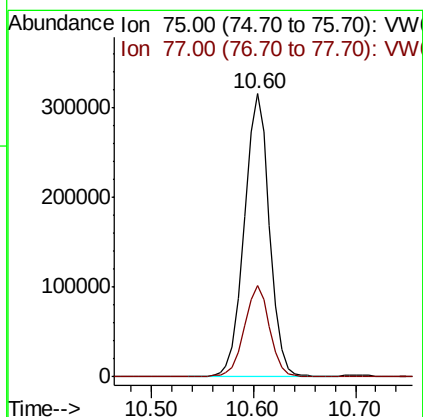
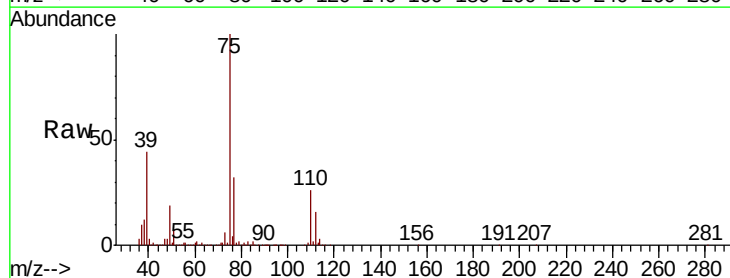
Acq: 10 Dec 2019 10:50

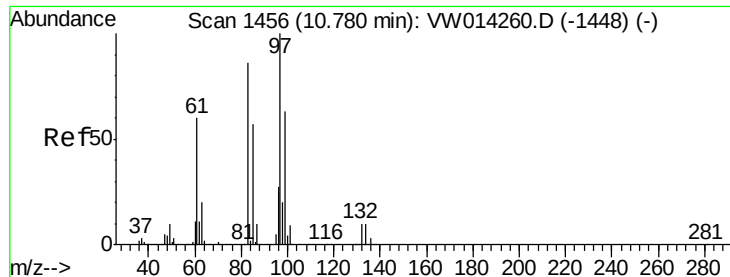
Tgt Ion: 75 Resp: 541137

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 24.683 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.01 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 323514

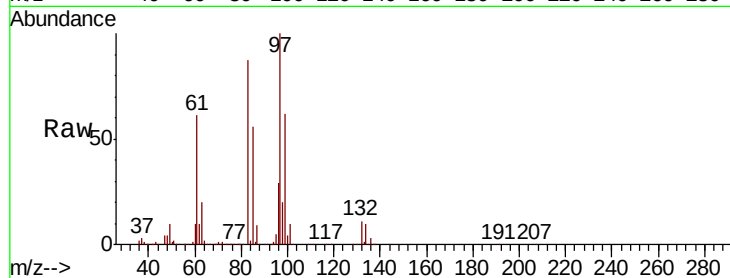
Ion Ratio Lower Upper

97 100

83 86.8 58.9 109.5

85 55.8 38.1 70.9

99 62.3 46.5 86.3

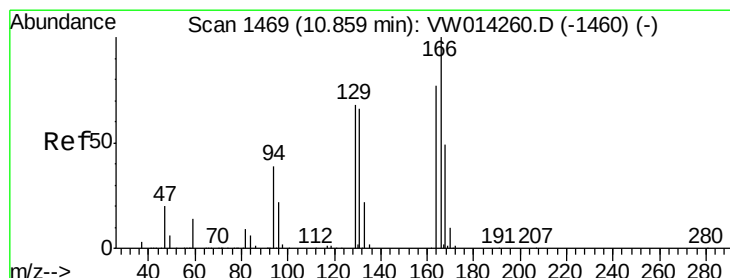
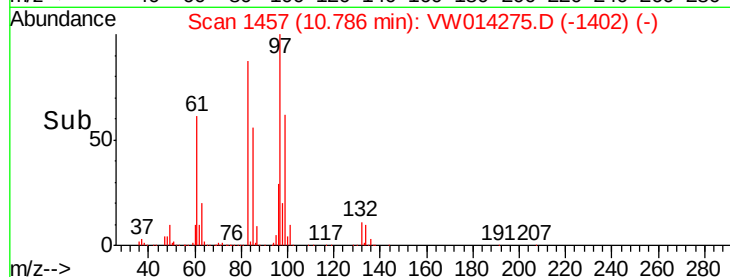
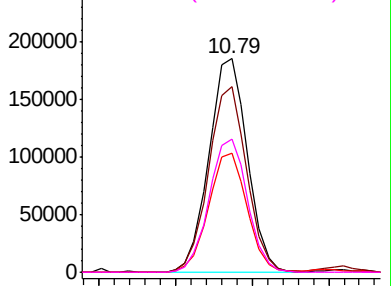


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.793 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Tgt Ion: 164 Resp: 359959

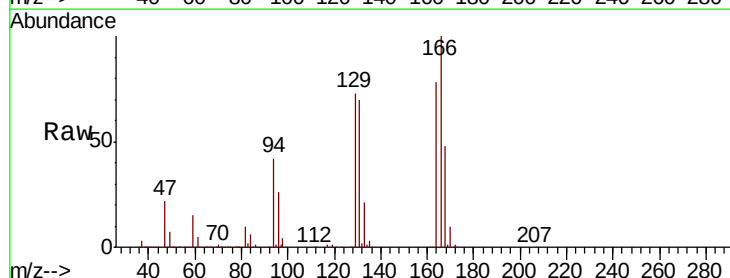
Ion Ratio Lower Upper

164 100

129 94.1 60.6 112.6

131 89.6 59.1 109.7

166 128.5 90.8 168.6

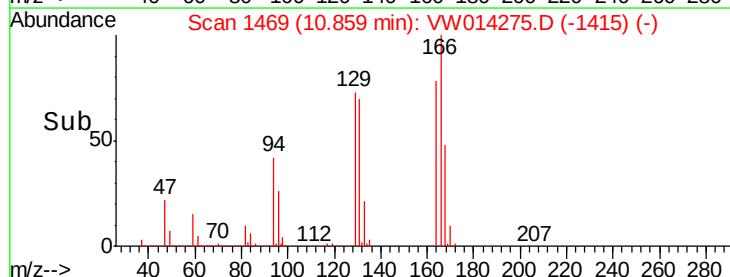
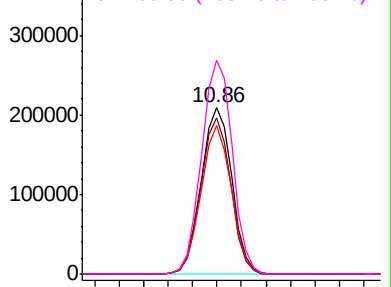


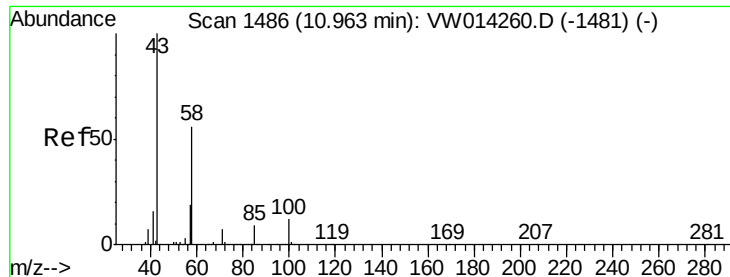
Abundance Ion 164.00 (163.70 to 164.70): V

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

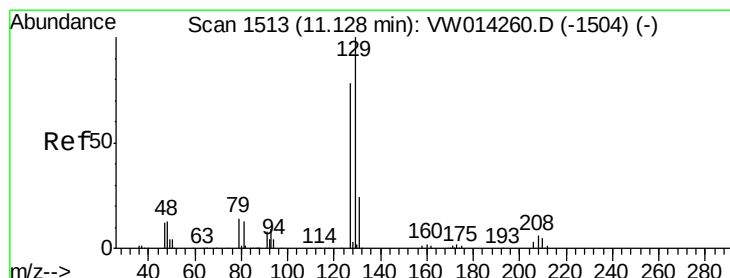
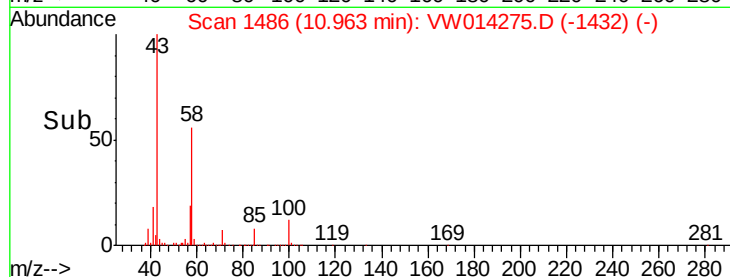
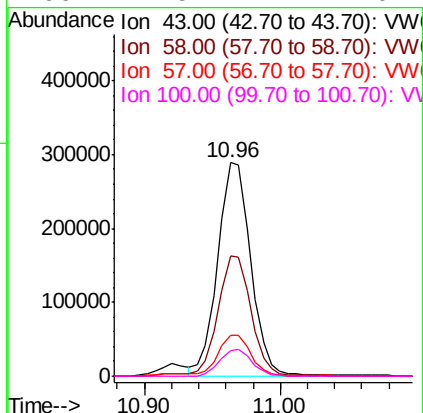
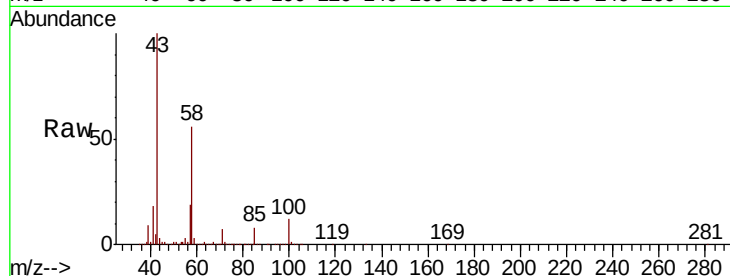




#49
2-Hexanone
Concen: 59.537 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014275.D
Acq: 10 Dec 2019 10:50

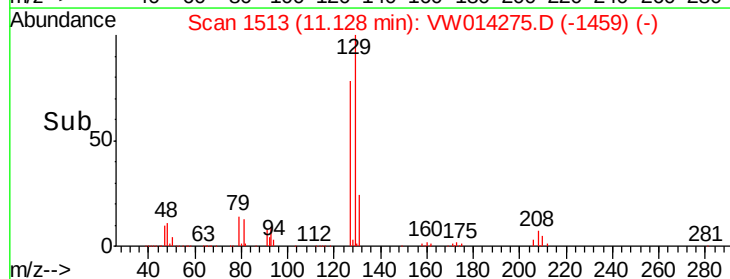
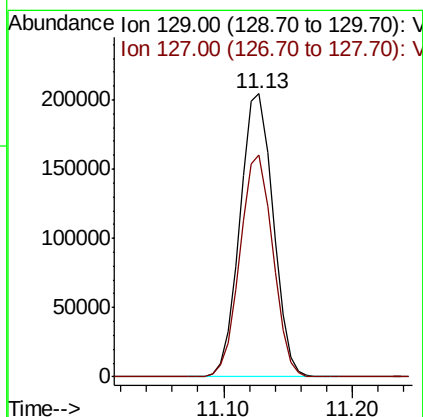
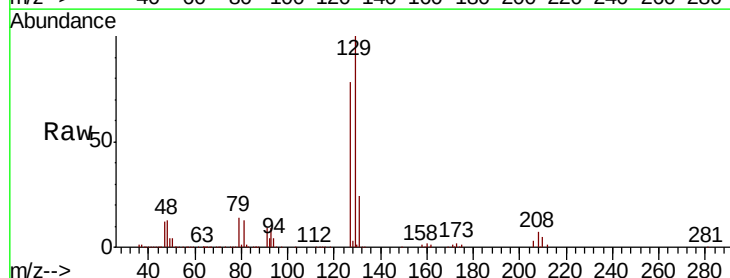
Instrument :
MSVOA_W
ClientSampleId :

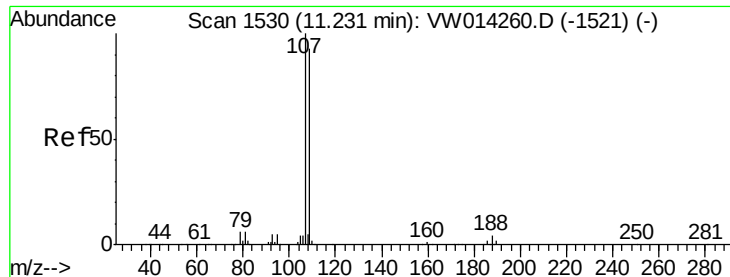
Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	44.4	66.6
57	18.7	16.5	24.7
100	12.5	11.1	16.7



#50
Dibromochloromethane
Concen: 24.800 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014275.D
Acq: 10 Dec 2019 10:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	54.9	102.1

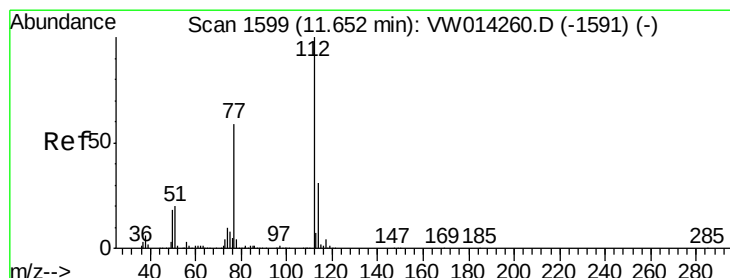
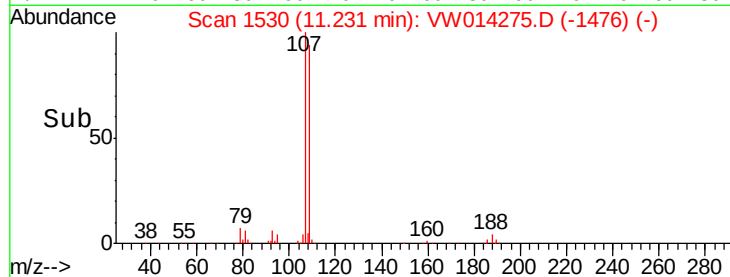
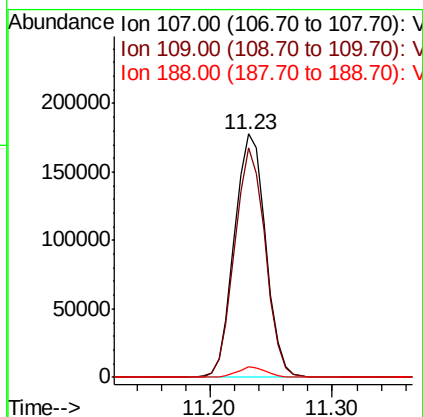
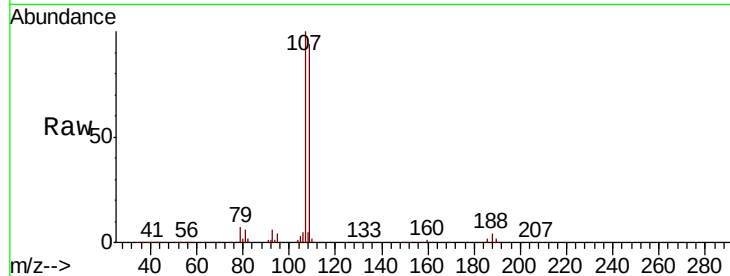




#51
1,2-Dibromoethane
Concen: 25.383 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014275.D
Acq: 10 Dec 2019 10:50

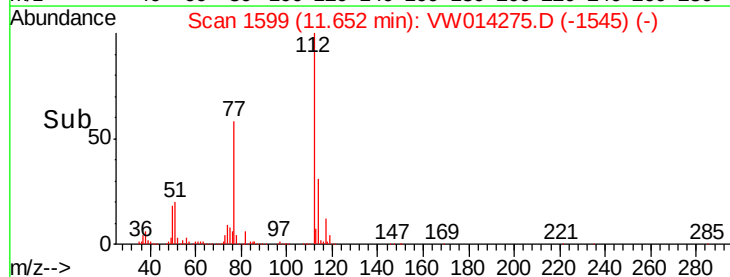
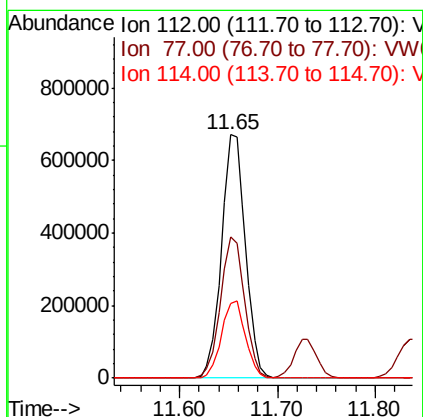
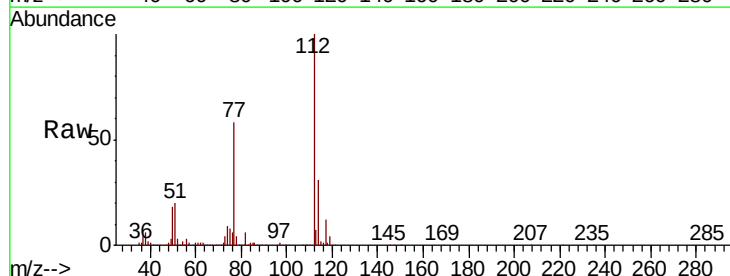
Instrument :
MSVOA_W
ClientSampleId :

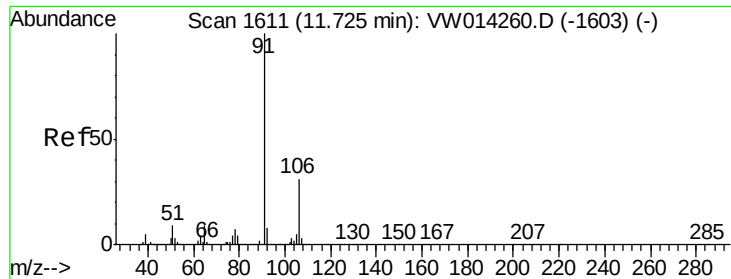
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	64.6	120.0
188	4.4	3.9	5.9



#52
Chlorobenzene
Concen: 24.654 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014275.D
Acq: 10 Dec 2019 10:50

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.1	42.2	63.4
114	30.9	22.5	41.9

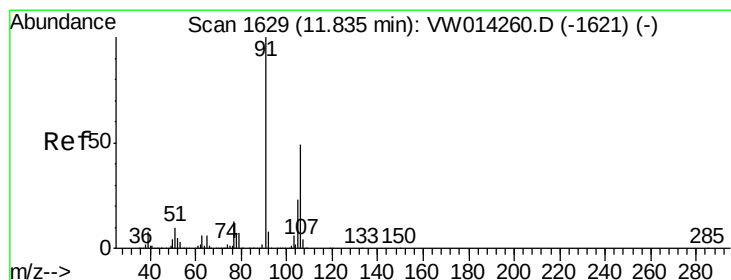
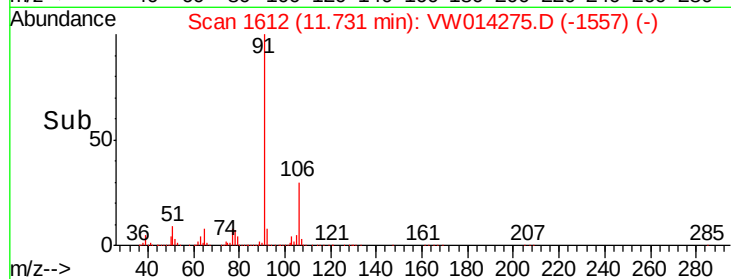
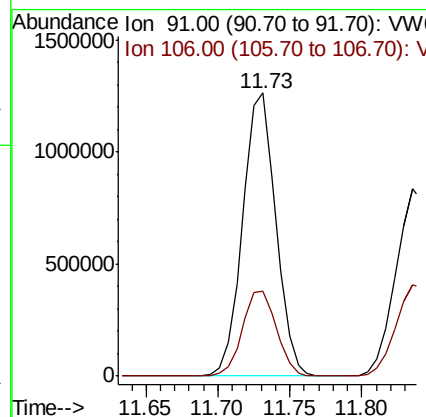
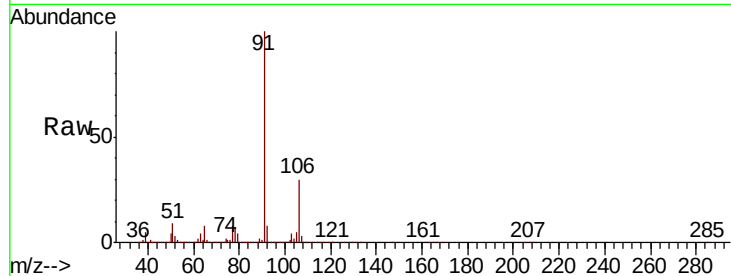




#53
Ethylbenzene
Concen: 26.004 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014275.D
Acq: 10 Dec 2019 10:50

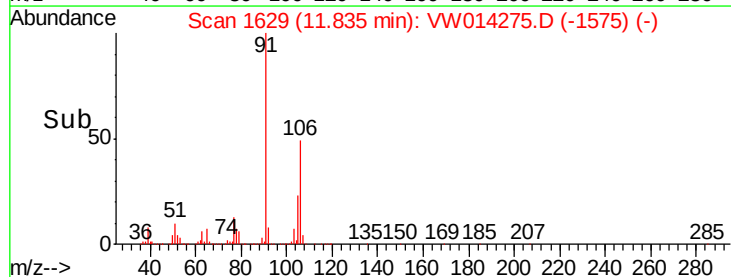
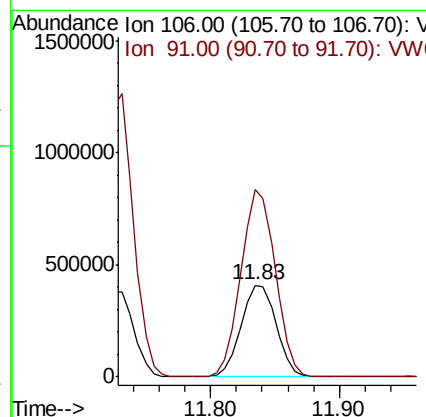
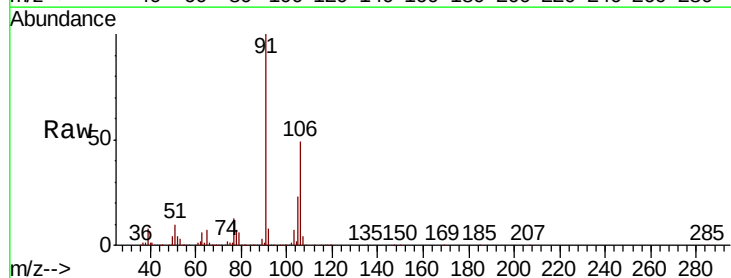
Instrument :
MSVOA_W
ClientSampleId :

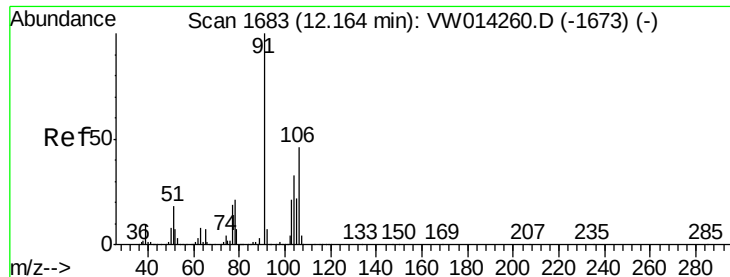
Tot Ion: 91 Resp: 2013963
Ion Ratio Lower Upper
91 100
106 30.2 22.3 41.5



#54
m,p-Xylene
Concen: 25.951 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014275.D
Acq: 10 Dec 2019 10:50

Tgt Ion: 106 Resp: 773132
Ion Ratio Lower Upper
106 100
91 204.5 138.7 257.5





#55

o-xylene

Concen: 25.702 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Instrument :

MSVOA_W

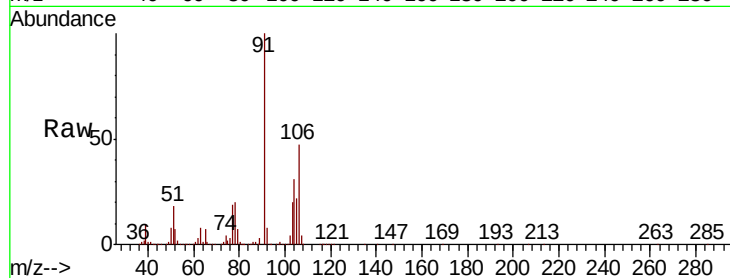
ClientSampled :

Tot Ion:106 Resp: 726299

Ion Ratio Lower Upper

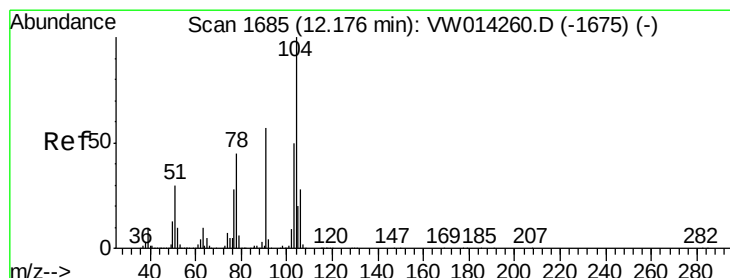
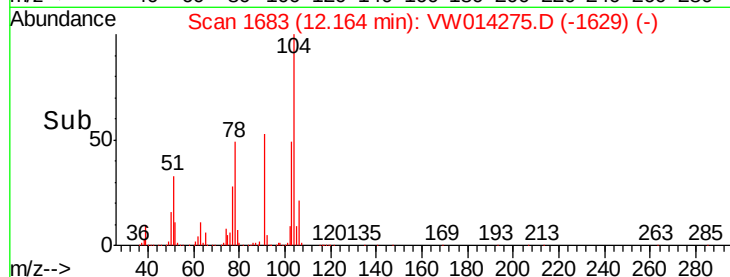
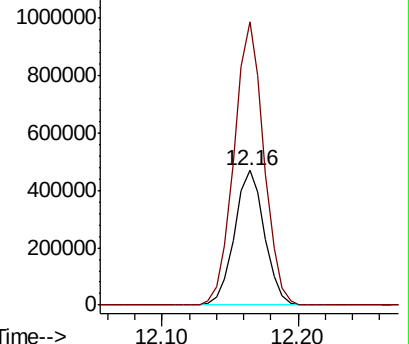
106 100

91 210.5 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.764 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014275.D

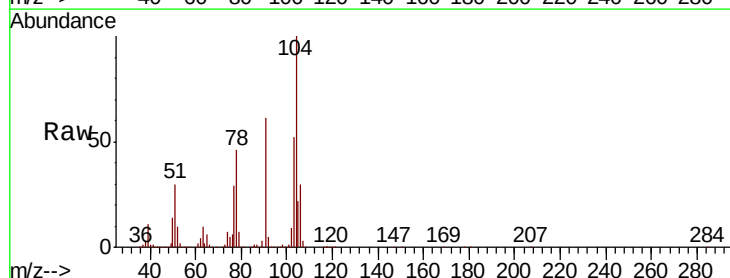
Acq: 10 Dec 2019 10:50

Tgt Ion:104 Resp: 1245497

Ion Ratio Lower Upper

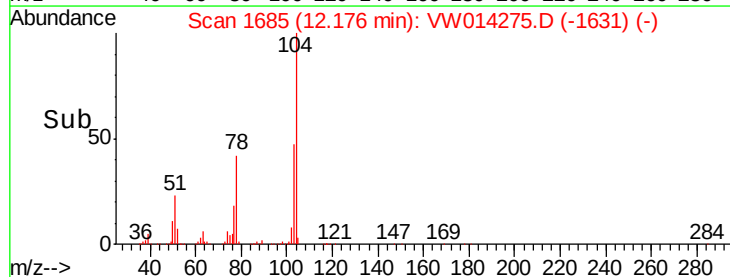
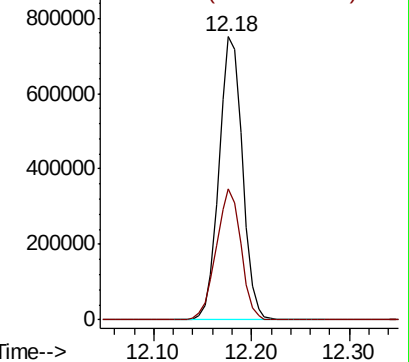
104 100

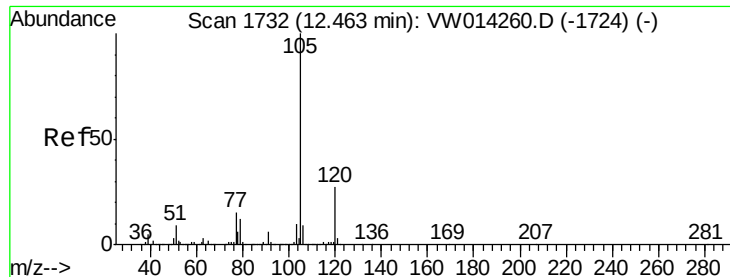
78 46.4 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.607 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

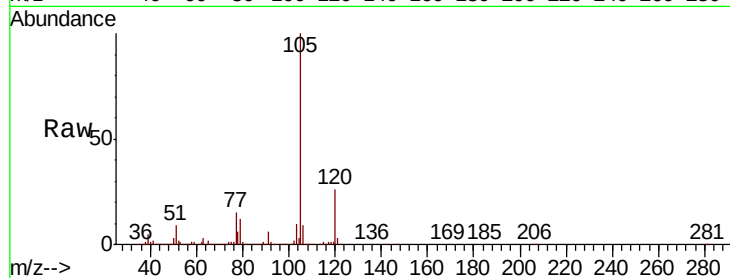
Tot Ion:105 Resp: 1951973

Ion Ratio Lower Upper

105 100

120 26.4 21.6 32.4

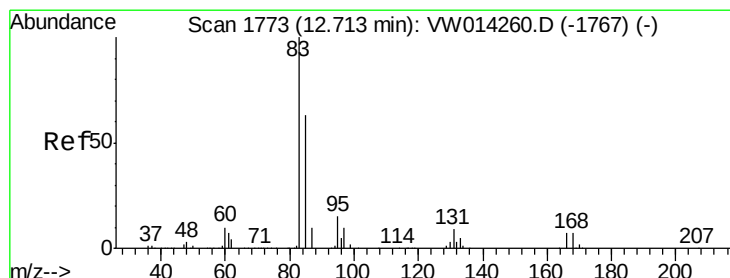
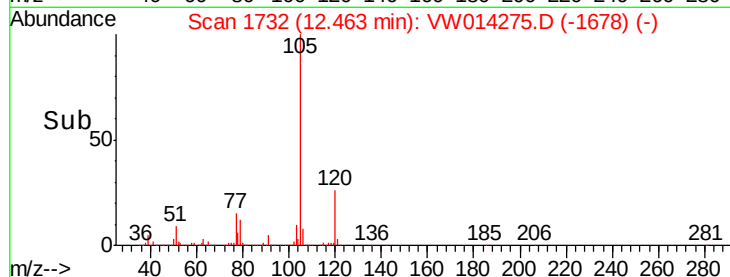
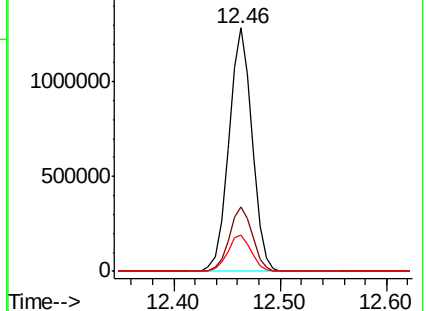
77 15.3 11.6 17.4



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: 25.801 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

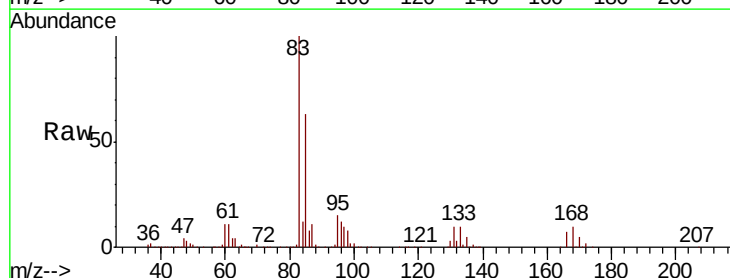
Tgt Ion: 83 Resp: 419712

Ion Ratio Lower Upper

83 100

85 63.0 43.7 81.1

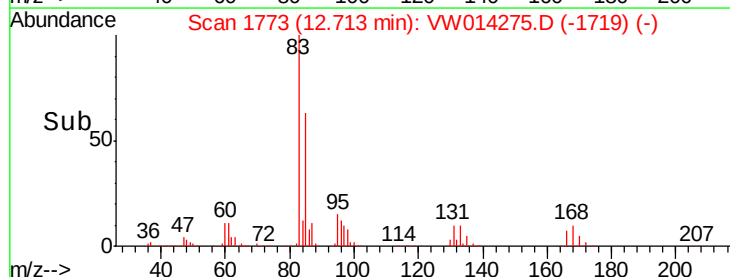
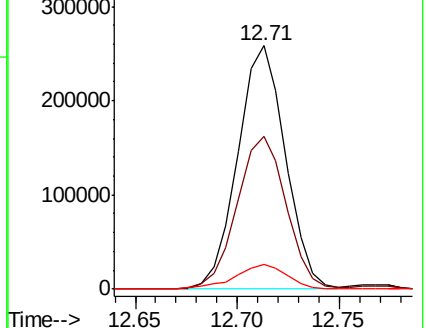
131 10.0 8.2 12.2

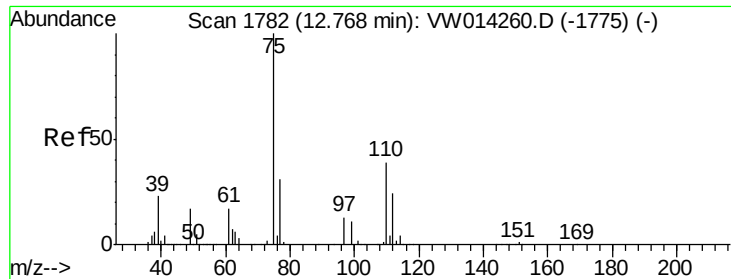


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

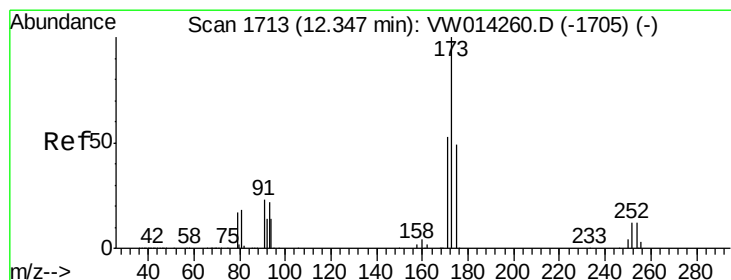
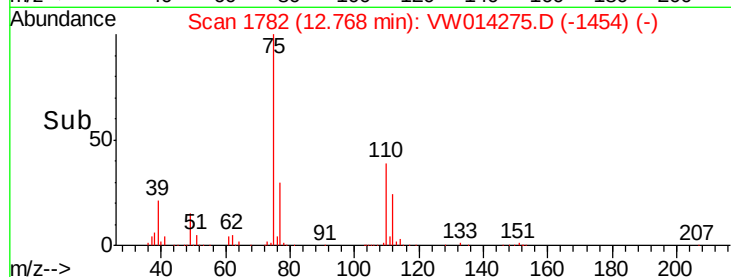
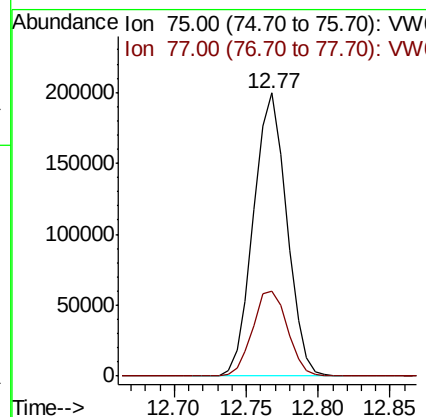
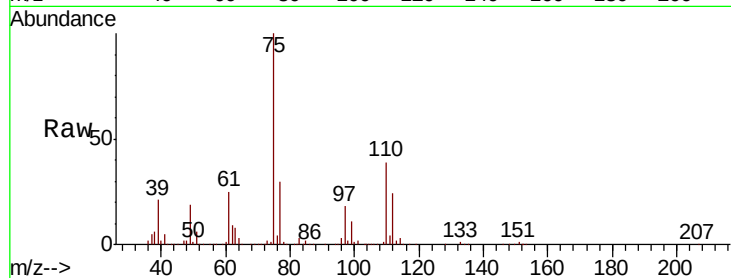




#59
 1,2,3-Trichloropropane
 Concen: 26.366 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW014275.D
 Acq: 10 Dec 2019 10:50

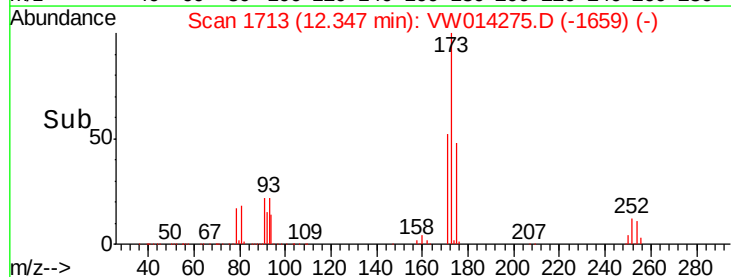
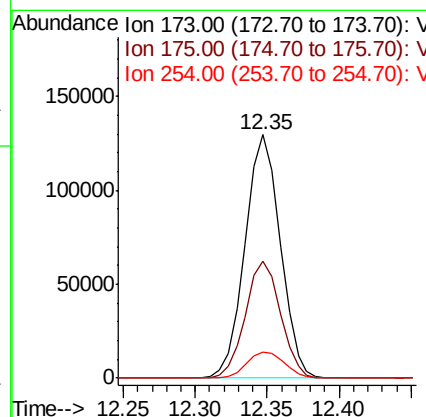
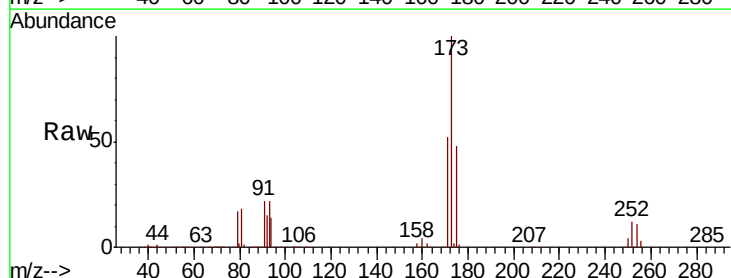
Instrument :
 MSVOA_W
 ClientSampleId :

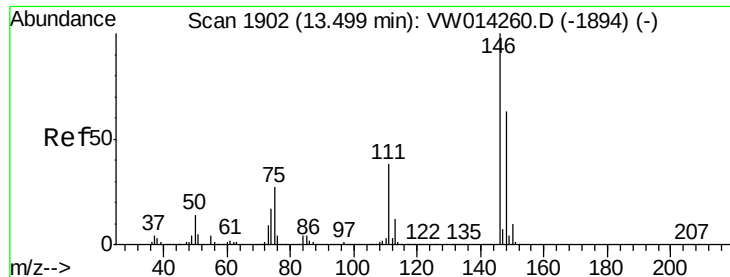
Tot Ion: 75 Resp: 318701
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.9 38.9



#62
 Bromoform
 Concen: 24.565 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW014275.D
 Acq: 10 Dec 2019 10:50

Tgt Ion: 173 Resp: 219749
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.8 58.2
 254 11.5 9.4 14.0





#63

1,3-Dichlorobenzene

Concen: 24.513 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

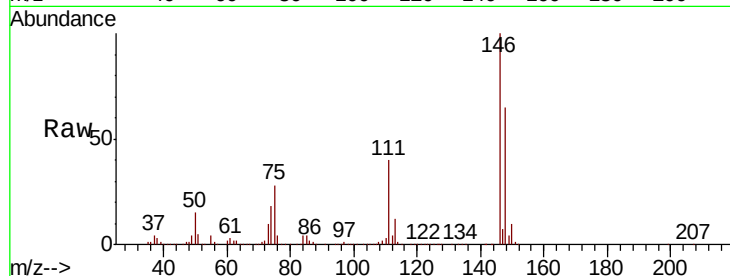
Tot Ion:146 Resp: 868394

Ion Ratio Lower Upper

146 100

111 39.6 26.0 48.2

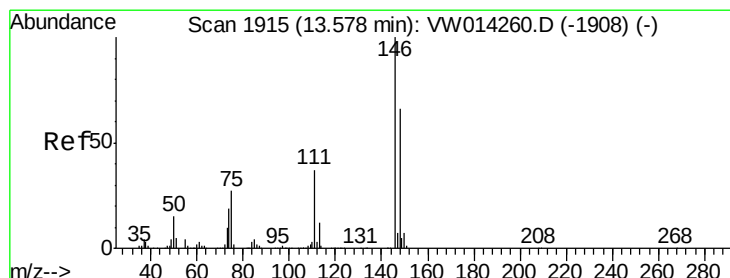
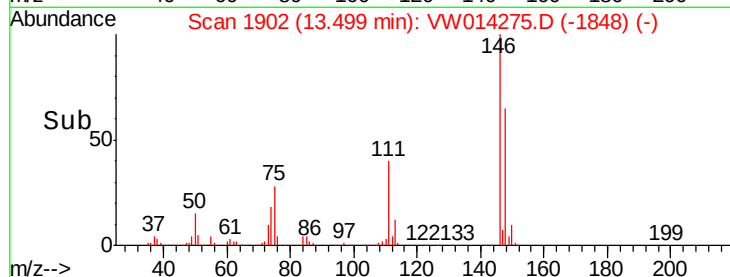
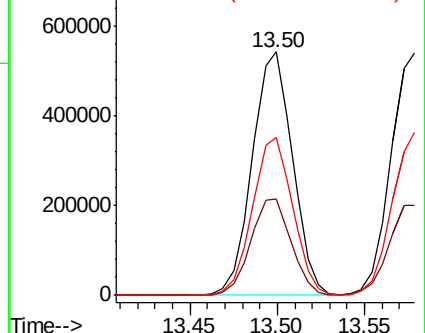
148 65.0 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 24.114 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

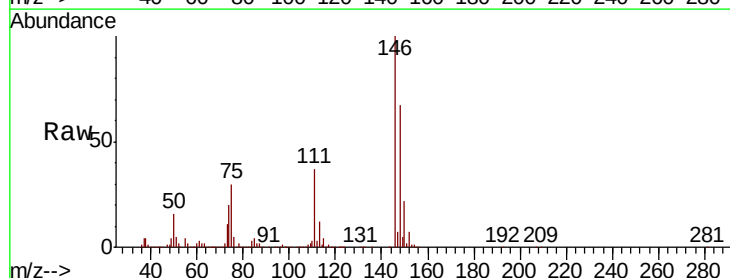
Tgt Ion:146 Resp: 867939

Ion Ratio Lower Upper

146 100

111 37.1 24.9 46.3

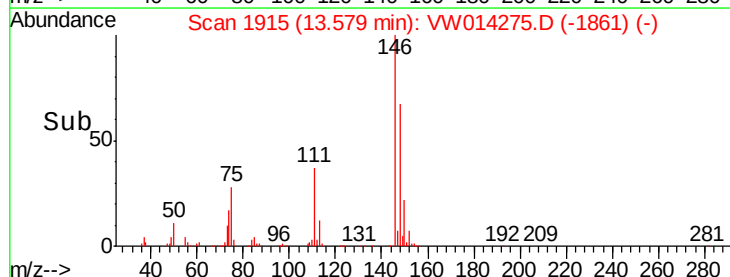
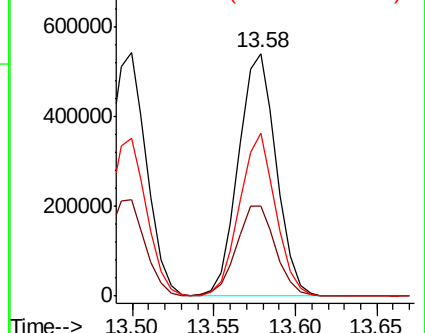
148 67.0 43.9 81.5

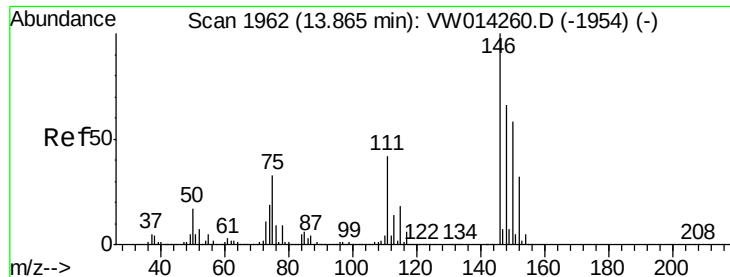


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

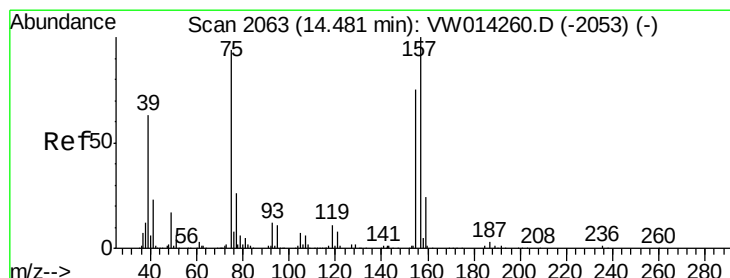
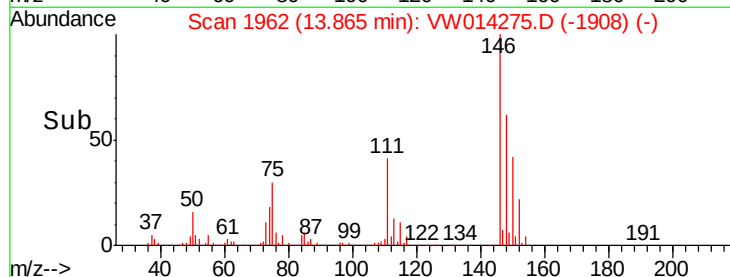
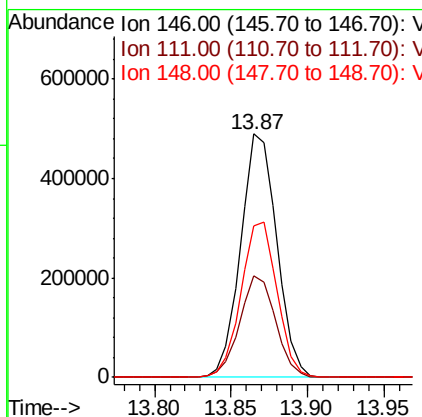
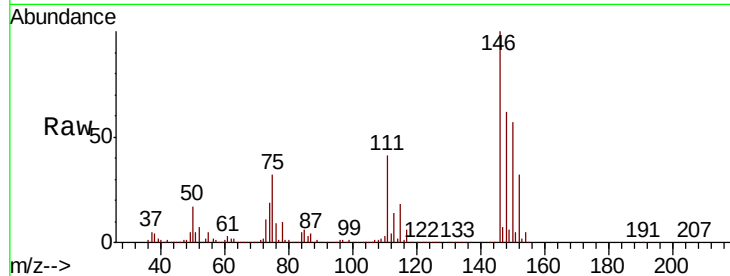




#65
 1,2-Dichlorobenzene
 Concen: 24.451 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014275.D
 Acq: 10 Dec 2019 10:50

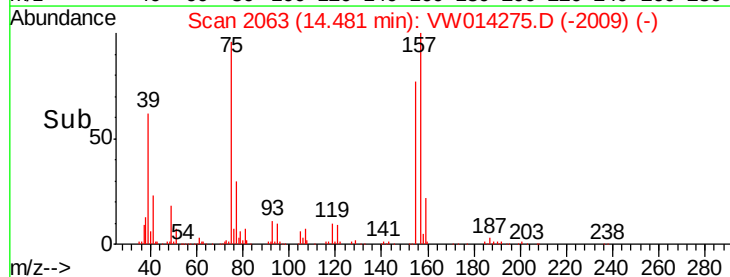
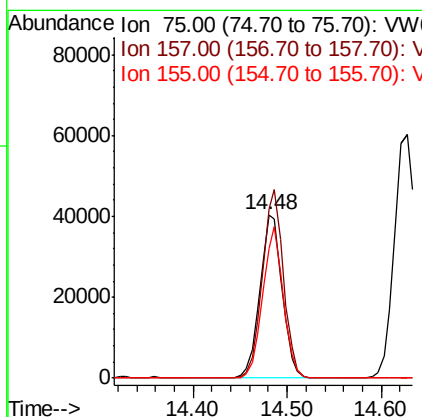
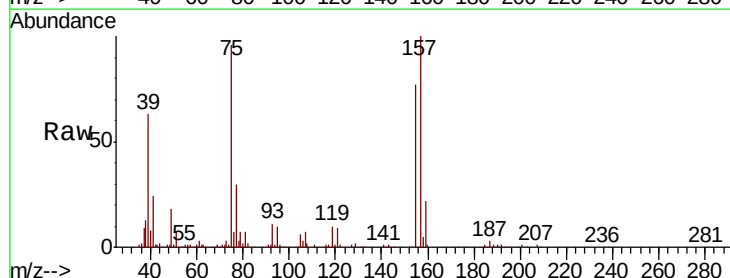
Instrument :
 MSVOA_W
 ClientSampleId :

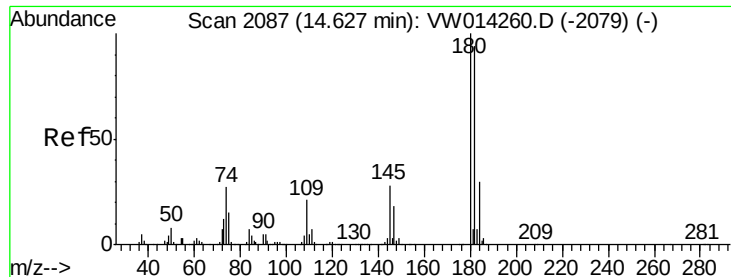
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	30.5	45.7
148	62.3	49.4	74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.546 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014275.D
 Acq: 10 Dec 2019 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
157	103.9	96.9	145.3
155	79.9	82.9	124.3#

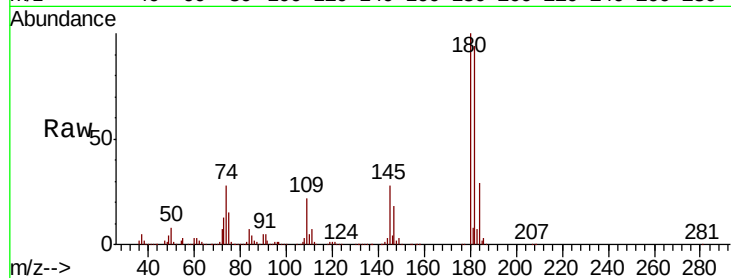




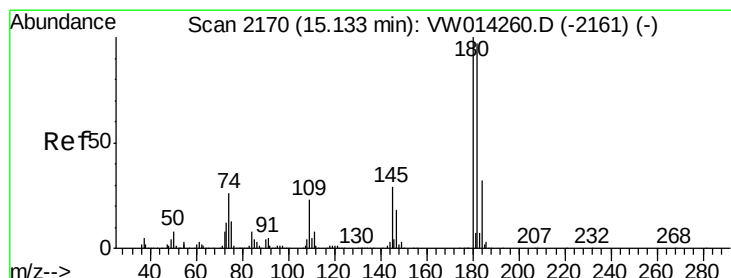
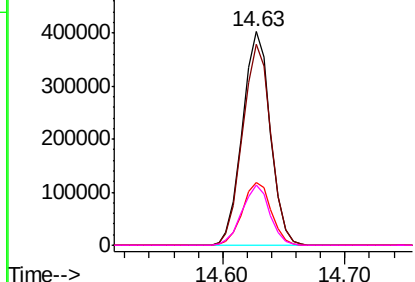
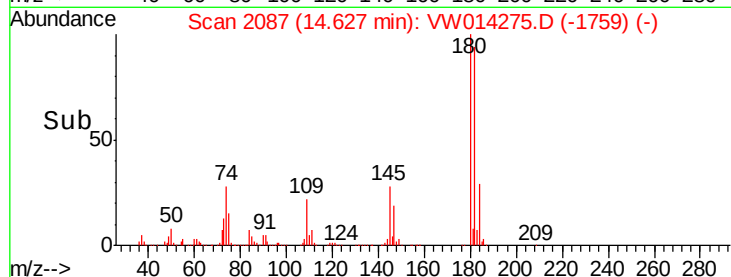
#67
 1,3,5-Trichlorobenzene
 Concen: 25.042 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014275.D
 Acq: 10 Dec 2019 10:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	638261
Ion Ratio	Lower	Upper
180	100	
182	95.3	76.2 114.2
184	30.3	24.3 36.5
145	27.8	21.9 32.9

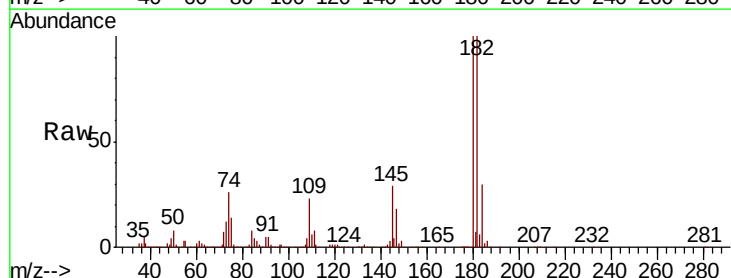


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

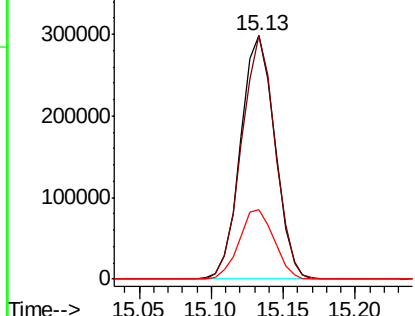
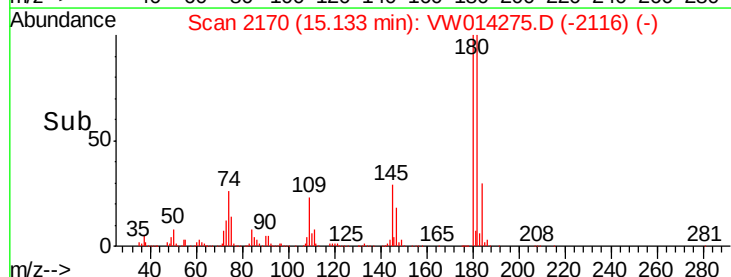


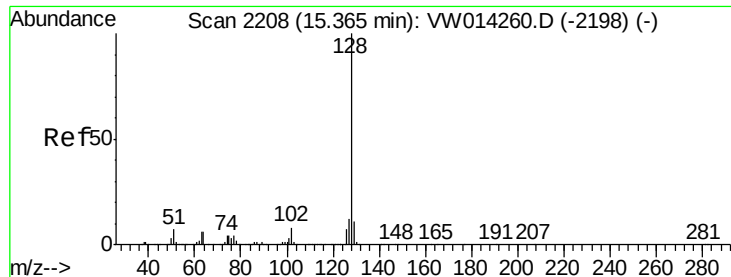
#68
 1,2,4-trichlorobenzene
 Concen: 24.799 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014275.D
 Acq: 10 Dec 2019 10:50

Tgt Ion:180	Resp:	492736
Ion Ratio	Lower	Upper
180	100	
182	97.6	75.8 113.8
145	29.2	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: 26.629 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

Instrument :

MSVOA_W

ClientSampleId :

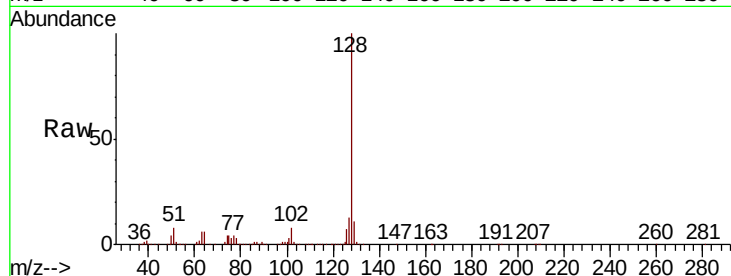
Tot Ion:128 Resp: 995018

Ion Ratio Lower Upper

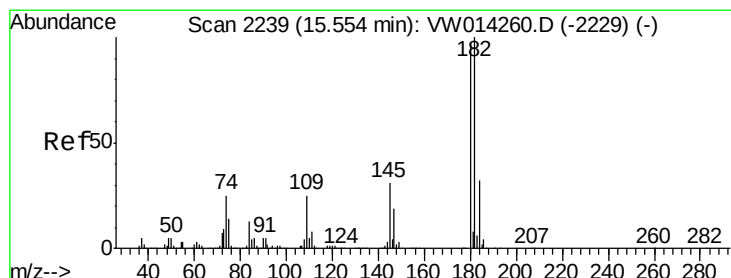
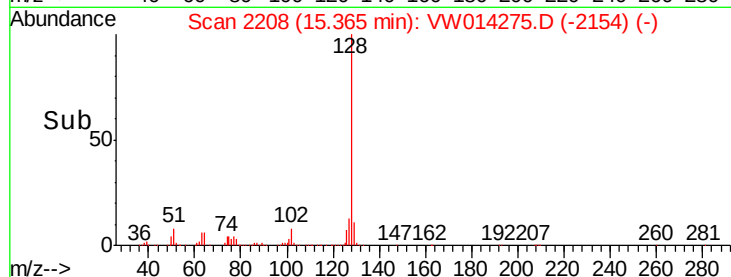
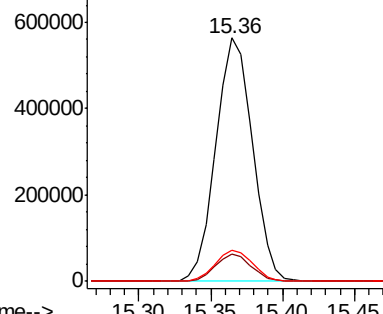
128 100

129 10.9 8.8 13.2

127 13.0 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: 24.805 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014275.D

Acq: 10 Dec 2019 10:50

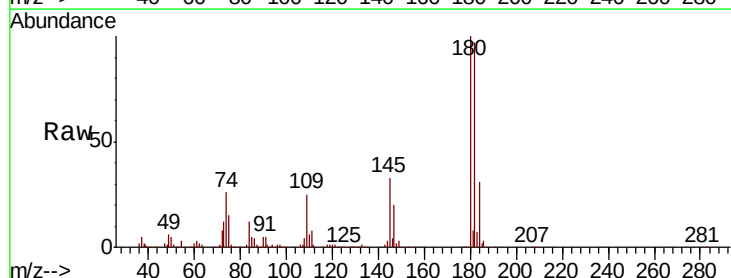
Tgt Ion:180 Resp: 462199

Ion Ratio Lower Upper

180 100

182 93.7 75.8 113.6

145 30.6 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

