

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110619\
 Data File : VW013926.D
 Acq On : 06 Nov 2019 16:04
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 07 00:57:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 07 00:53:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	333587	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	320734	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	196700	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	91914	17.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.84%
7) Chloroethane-d5	2.89	69	80529	19.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.68%
10) 1,1-Dichloroethene-d2	4.02	63	203868	19.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.12%
20) 2-Butanone-d5	7.07	46	84173	45.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.14%
24) Chloroform-d	7.65	84	227773	21.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.68%
26) 1,2-Dichloroethane-d4	8.31	65	122620	21.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.72%
29) Benzene-d6	8.27	84	455420	21.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.80%
33) 1,2-Dichloropropane-d6	9.27	67	139027	21.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.52%
37) Toluene-d8	10.32	98	425992	20.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.60%
38) trans-1,3-Dichloropropene-	10.58	79	63717	21.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.84%
39) 2-Hexanone-d5	10.92	63	69981	47.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	131151	22.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.20%
61) 1,2-Dichlorobenzene-d4	13.85	152	168035	21.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	65683	18.319	ug/L	98
3) Chloromethane	2.21	50	72899	17.728	ug/L	99
5) Vinyl chloride	2.36	62	122334	20.829	ug/L	100
6) Bromomethane	2.78	94	74508	20.168	ug/L	100
8) Chloroethane	2.92	64	71662	21.493	ug/L	99
9) Trichlorofluoromethane	3.26	101	67933	22.706	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	124072	21.608	ug/L	99
12) 1,1-Dichloroethene	4.04	96	121992	21.190	ug/L	87
13) Acetone	4.12	43	70014	38.488	ug/L	95
14) Carbon disulfide	4.39	76	356576	21.671	ug/L	98
15) Methyl Acetate	4.67	43	67606	21.462	ug/L	99
16) Methylene chloride	4.92	84	130057	20.852	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	168810	23.179	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	130660	21.777	ug/L	99
19) 1,1-Dichloroethane	6.21	63	223399	21.930	ug/L	100
21) 2-Butanone	7.17	43	97482	39.040	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	138235	21.909	ug/L	92

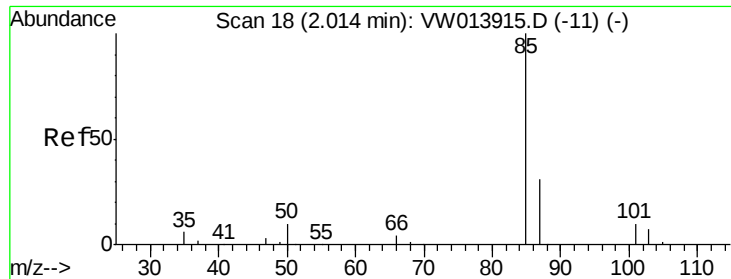
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 Quant Title : VOC Analysis
 QLast Update : Thu Nov 07 00:53:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	64309	21.676	uq/L	93
25) Chloroform	7.67	83	227333	22.196	uq/L	97
27) 1,2-Dichloroethane	8.40	62	149812	22.116	uq/L	99
30) Cyclohexane	7.95	56	212020	21.906	uq/L	99
31) 1,1,1-Trichloroethane	7.87	97	179090	22.802	uq/L	100
32) Carbon tetrachloride	8.07	117	177624	23.127	uq/L	99
34) Benzene	8.32	78	527600	22.658	uq/L	100
35) Trichloroethene	9.09	95	136163	22.183	uq/L	99
36) Methylcyclohexane	9.34	83	236275	21.930	uq/L	98
40) 1,2-Dichloropropane	9.37	63	127857	22.371	uq/L	99
41) Bromodichloromethane	9.64	83	161452	22.472	uq/L	98
42) cis-1,3-Dichloropropene	10.07	75	207665	23.056	uq/L	99
43) 4-Methyl-2-pentanone	10.21	43	191781	43.632	uq/L	99
44) Toluene	10.38	91	571345	22.834	uq/L	98
45) trans-1,3-Dichloropropene	10.60	75	169952	22.836	uq/L	97
46) 1,1,2-Trichloroethane	10.79	97	102388	22.435	uq/L	98
47) Tetrachloroethene	10.86	164	125386	22.188	uq/L	98
49) 2-Hexanone	10.97	43	136586	42.300	uq/L	97
50) Dibromochloromethane	11.13	129	121455	22.926	uq/L	95
51) 1,2-Dibromoethane	11.23	107	99737	22.107	uq/L	100
52) Chlorobenzene	11.66	112	355633	22.039	uq/L	99
53) Ethylbenzene	11.73	91	621069	22.298	uq/L	99
54) m,p-Xylene	11.83	106	245297	22.853	uq/L	98
55) o-xylene	12.16	106	230783	22.746	uq/L	98
56) Styrene	12.18	104	405003	23.132	uq/L	97
57) Isopropylbenzene	12.46	105	621800	22.728	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	127240	22.138	uq/L	97
59) 1,2,3-Trichloropropane	12.77	75	92795	21.504	uq/L	100
62) Bromoform	12.35	173	78608	21.980	uq/L	99
63) 1,3-Dichlorobenzene	13.50	146	293996	21.583	uq/L	98
64) 1,4-Dichlorobenzene	13.58	146	292664	21.433	uq/L	99
65) 1,2-Dichlorobenzene	13.87	146	269808	21.905	uq/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	19604	19.869	uq/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	223432	21.778	uq/L	99
68) 1,2,4-trichlorobenzene	15.13	180	178190	21.453	uq/L	97
69) Naphthalene	15.36	128	337690	21.430	uq/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	162705	21.258	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 18.319 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

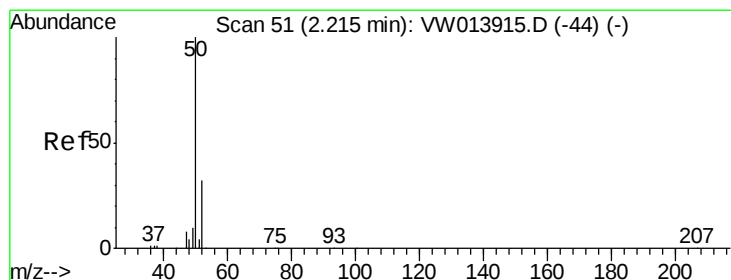
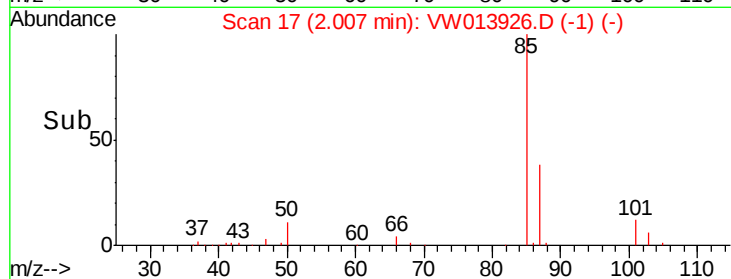
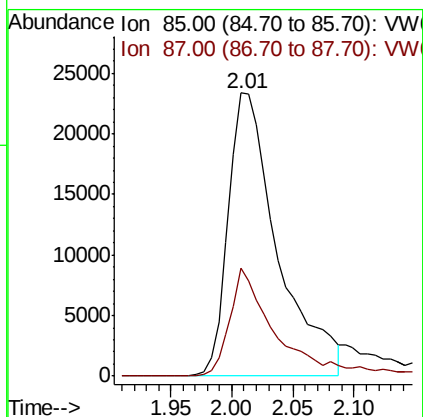
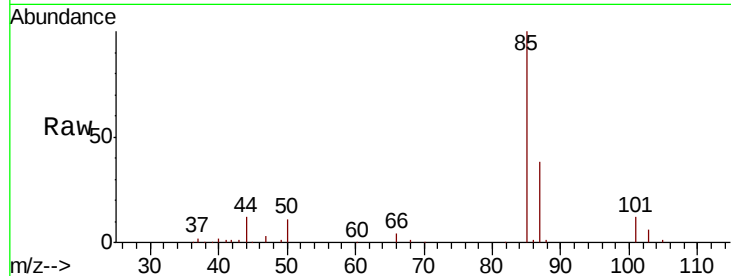
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 85 Resp: 65683

Ion Ratio Lower Upper

85 100

87 32.1 21.6 40.2



#3

Chloromethane

Concen: 17.728 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013926.D

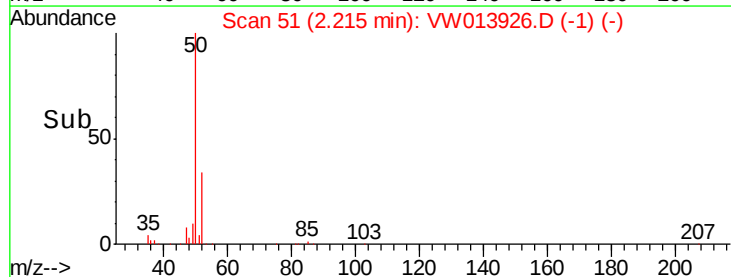
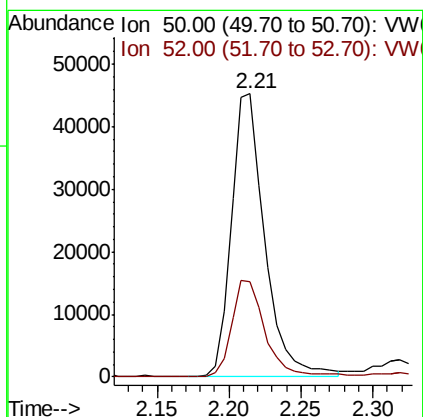
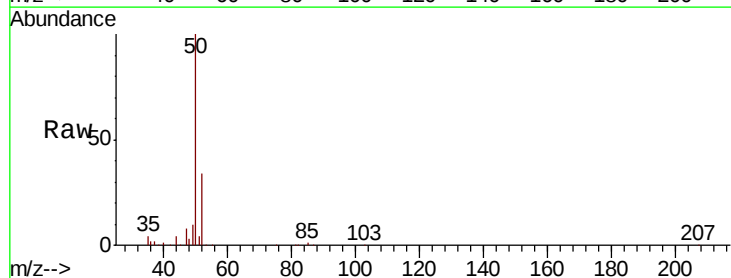
Acq: 06 Nov 2019 16:04

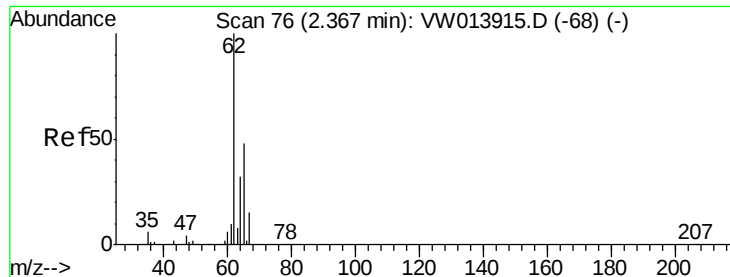
Tgt Ion: 50 Resp: 72899

Ion Ratio Lower Upper

50 100

52 33.6 23.0 42.6





#5

Vinyl chloride

Concen: 20.829 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

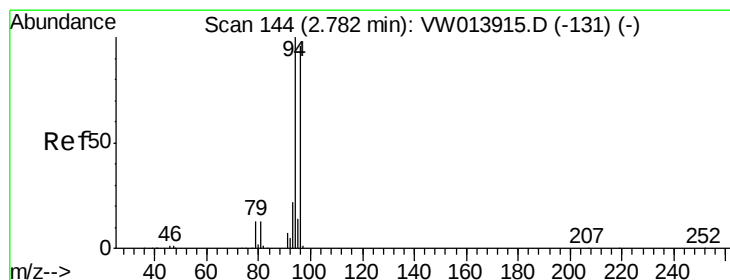
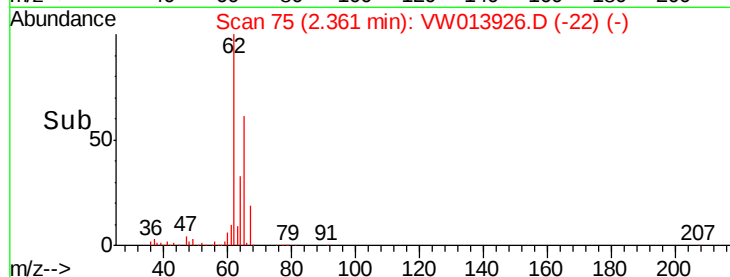
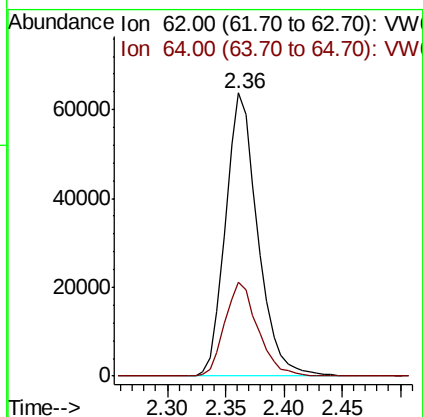
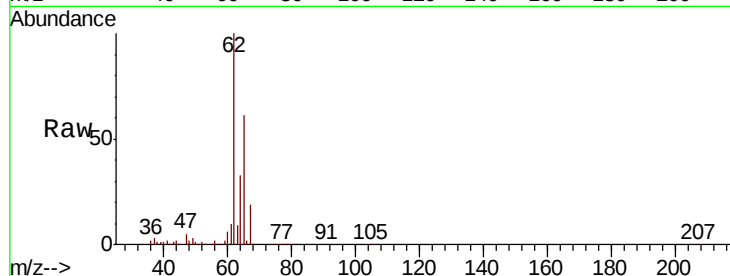
ClientSampleId :

Tot Ion: 62 Resp: 122334

Ion Ratio Lower Upper

62 100

64 33.1 23.3 43.3



#6

Bromomethane

Concen: 20.168 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013926.D

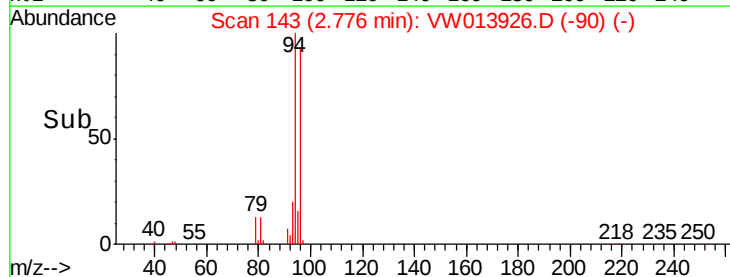
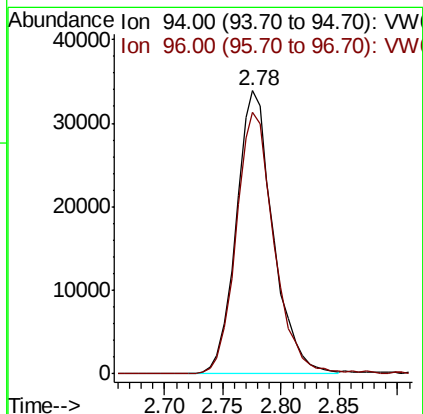
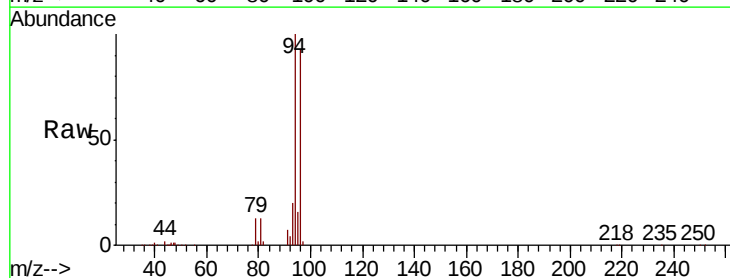
Acq: 06 Nov 2019 16:04

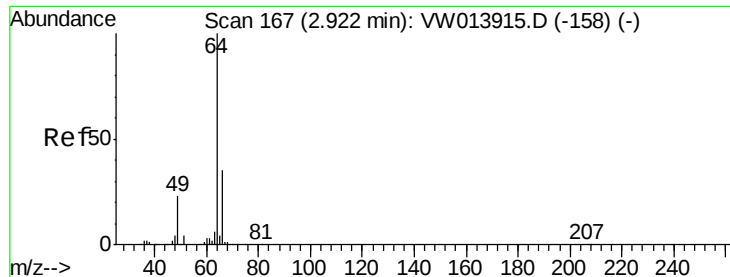
Tgt Ion: 94 Resp: 74508

Ion Ratio Lower Upper

94 100

96 94.9 9.5 179.7





#8

Chloroethane

Concen: 21.493 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

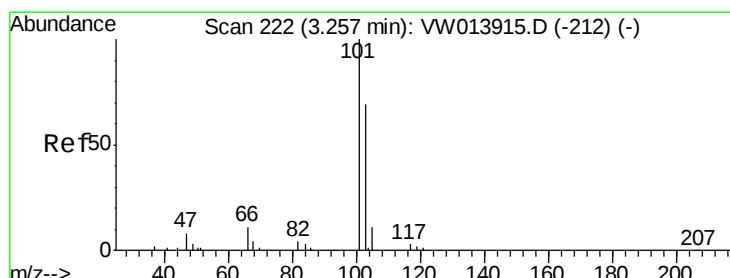
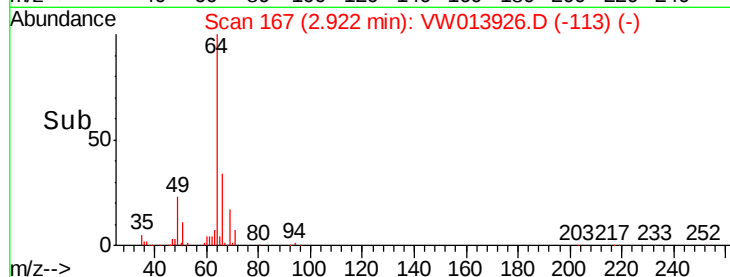
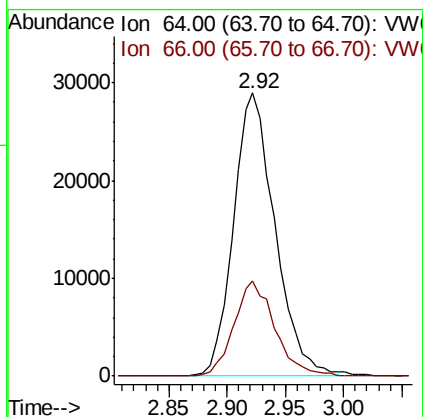
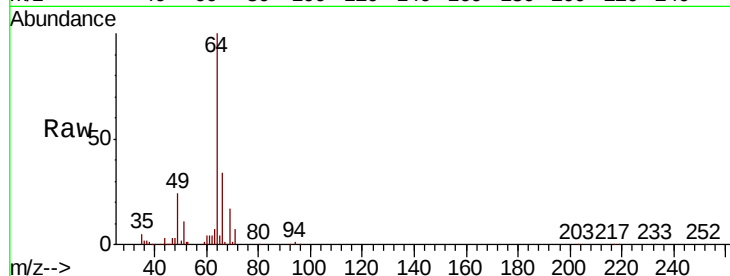
ClientSampleId :

Tot Ion: 64 Resp: 71662

Ion Ratio Lower Upper

64 100

66 33.7 24.1 44.7



#9

Trichlorofluoromethane

Concen: 22.706 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013926.D

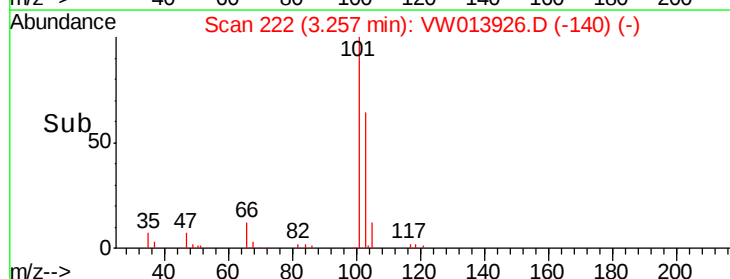
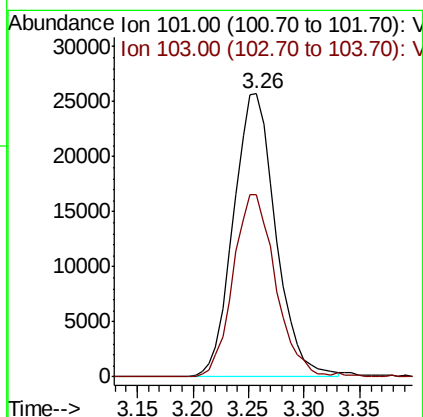
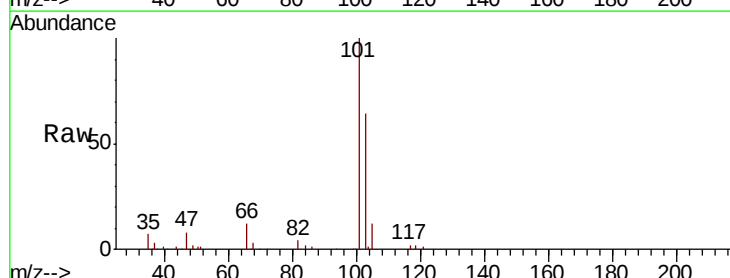
Acq: 06 Nov 2019 16:04

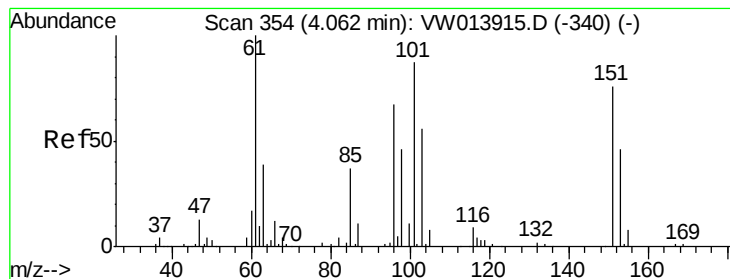
Tgt Ion: 101 Resp: 67933

Ion Ratio Lower Upper

101 100

103 64.3 44.9 83.3





#11

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

Concen: 21.608 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

ClientSampleId :

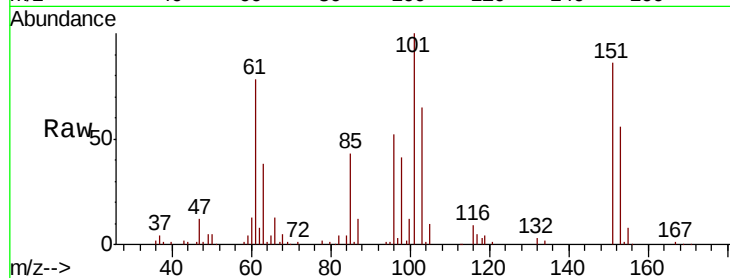
Tot Ion:101 Resp: 124072

Ion Ratio Lower Upper

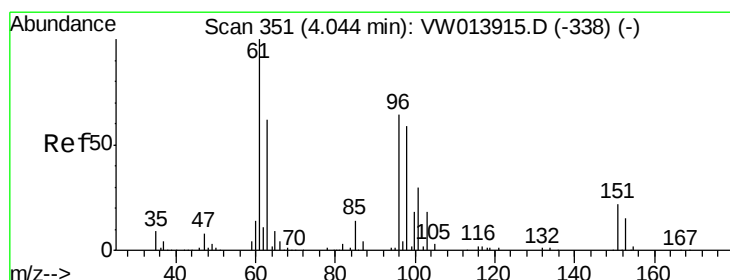
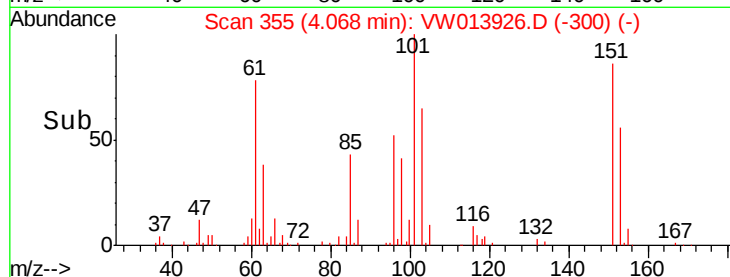
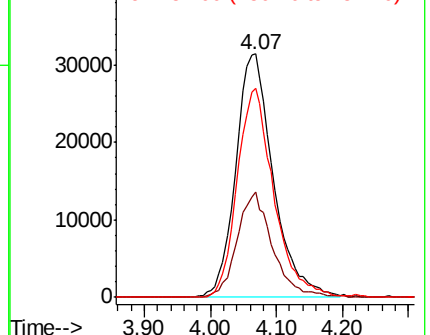
101 100

85 39.7 30.9 46.3

151 83.4 66.3 99.5



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: 21.190 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

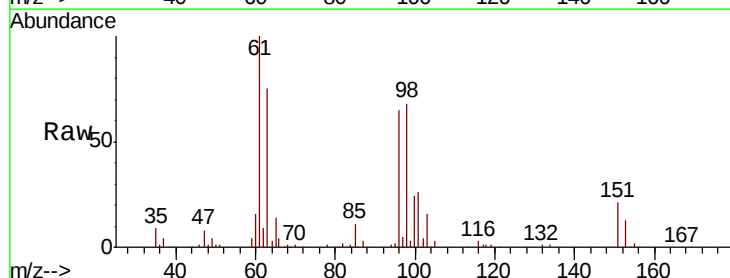
Tgt Ion: 96 Resp: 121992

Ion Ratio Lower Upper

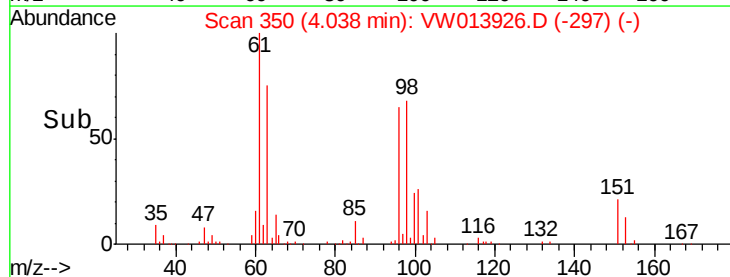
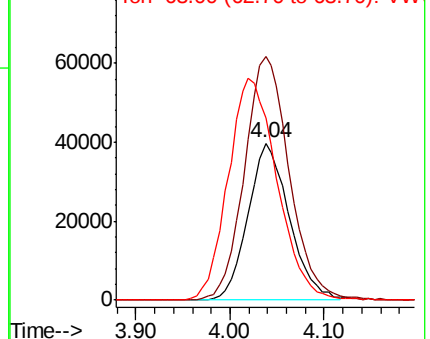
96 100

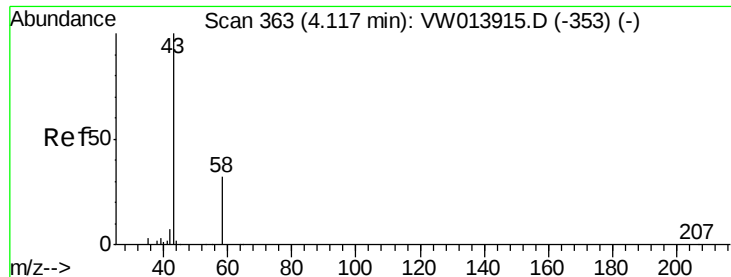
61 154.9 115.1 213.8

63 116.1 97.4 180.8



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: 38.488 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

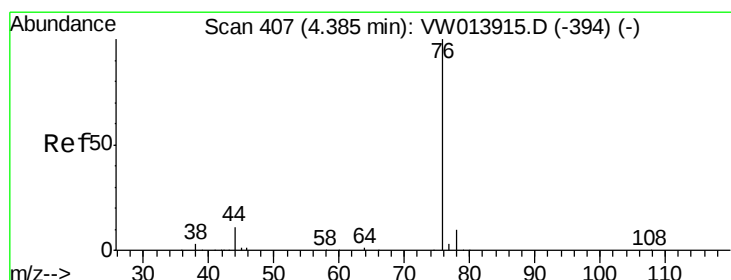
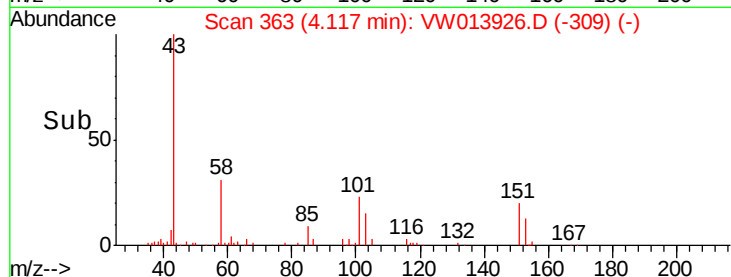
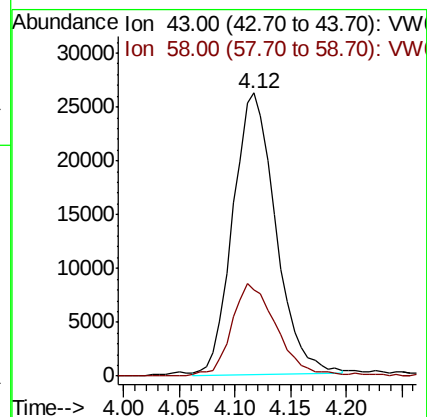
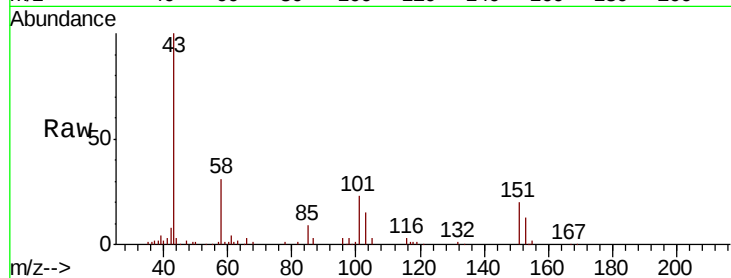
ClientSampled :

Tot Ion: 43 Resp: 70014

Ion Ratio Lower Upper

43 100

58 34.4 0.0 62.8



#14

Carbon disulfide

Concen: 21.671 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013926.D

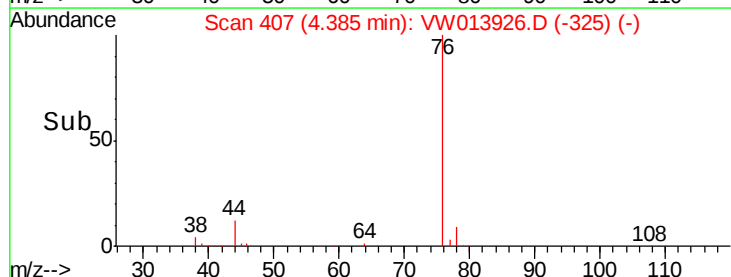
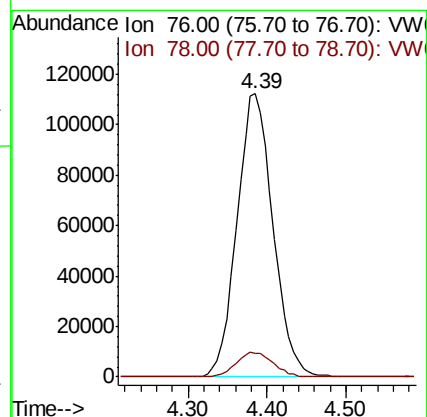
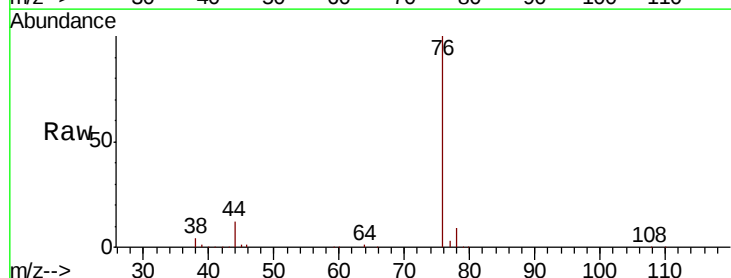
Acq: 06 Nov 2019 16:04

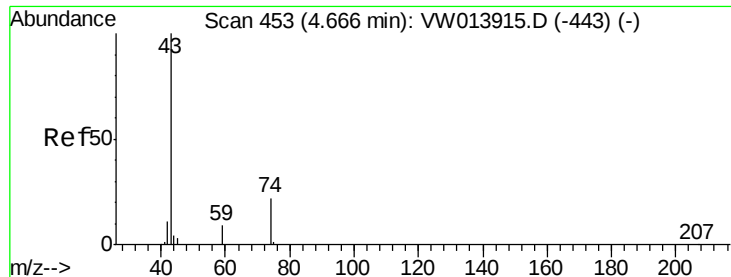
Tgt Ion: 76 Resp: 356576

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9

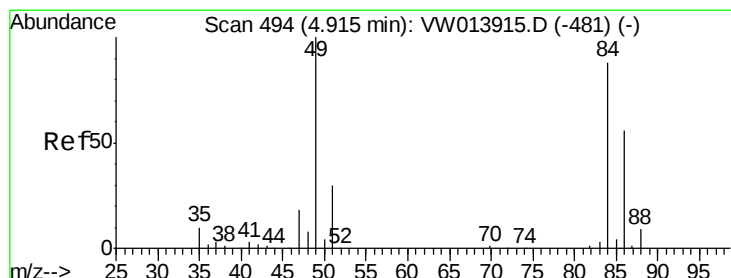
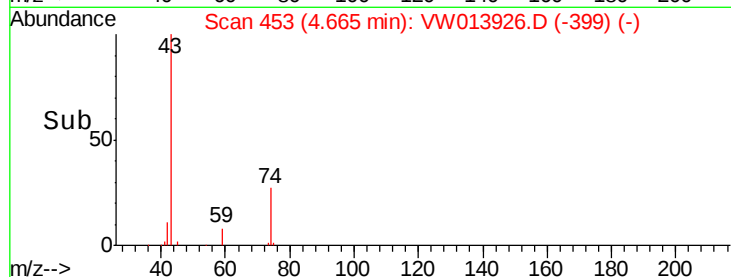
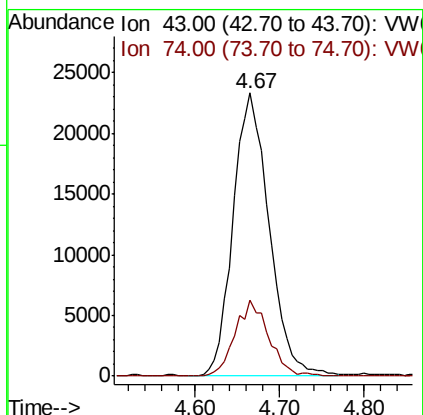
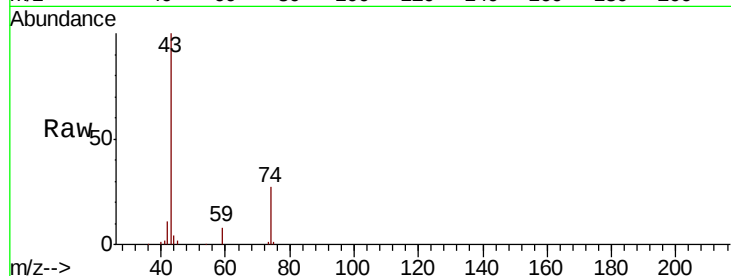




#15
Methvl Acetate
Concen: 21.462 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013926.D
Acq: 06 Nov 2019 16:04

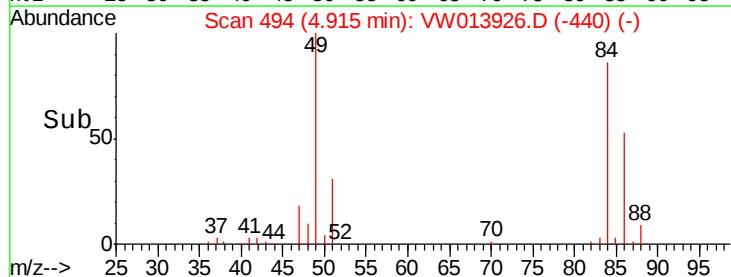
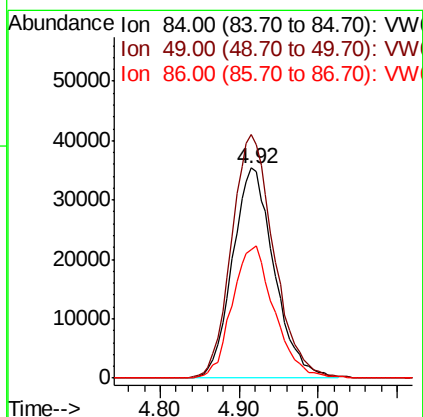
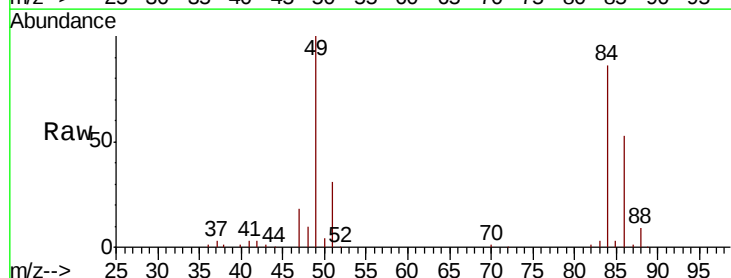
Instrument :
MSVOA_W
ClientSampled :

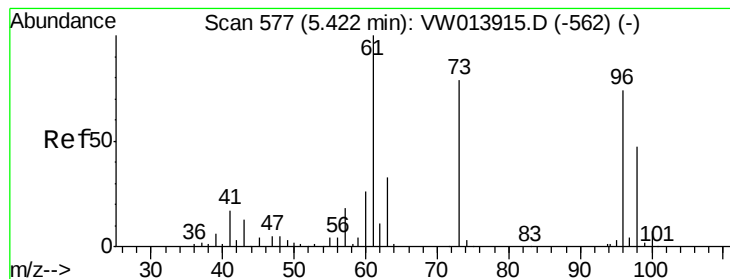
Tot Ion: 43 Resp: 67606
Ion Ratio Lower Upper
43 100
74 24.4 19.1 28.7



#16
Methylene chloride
Concen: 20.852 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW013926.D
Acq: 06 Nov 2019 16:04

Tgt Ion: 84 Resp: 130057
Ion Ratio Lower Upper
84 100
49 115.9 79.7 148.1
86 61.4 46.4 86.2



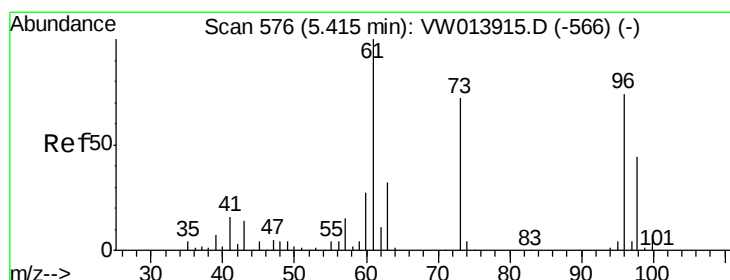
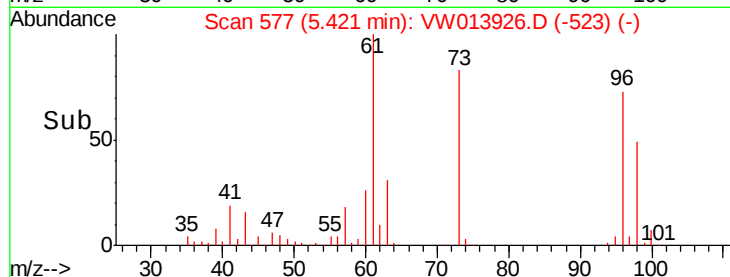
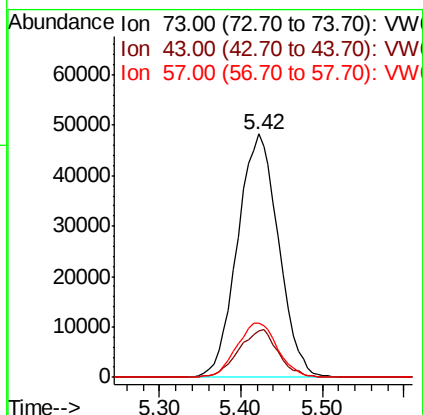
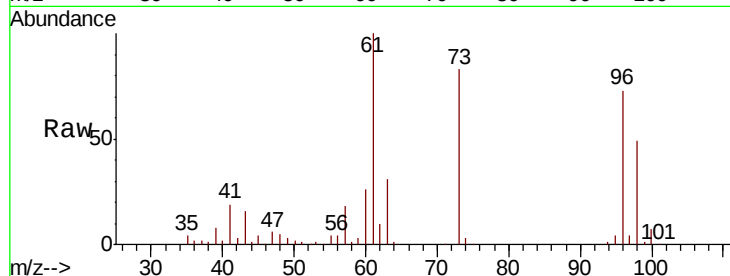


#17

Methvl tert-butvl Ether
 Concen: 23.179 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013926.D
 Acq: 06 Nov 2019 16:04

Instrument :
 MSVOA_W
 ClientSampleId :

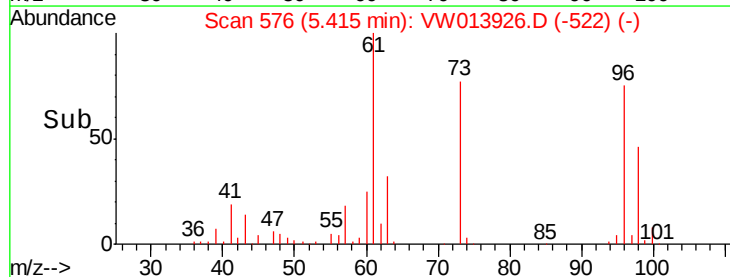
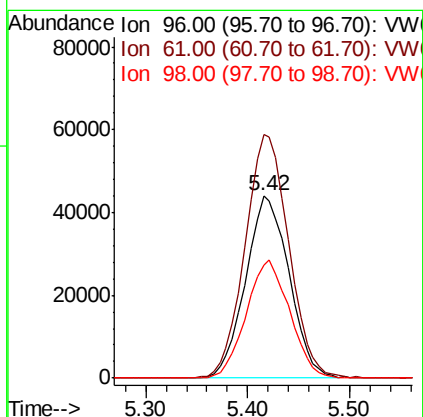
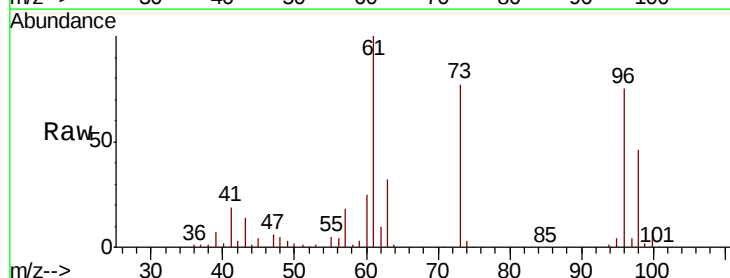
Tot Ion: 73 Resp: 168810
 Ion Ratio Lower Upper
 73 100
 43 19.0 14.4 21.6
 57 22.1 17.8 26.6

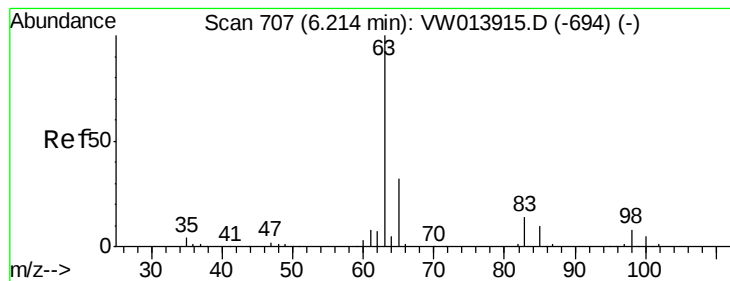


#18

trans-1,2-Dichloroethene
 Concen: 21.777 ug/L
 RT: 5.42 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: VW013926.D
 Acq: 06 Nov 2019 16:04

Tgt Ion: 96 Resp: 130660
 Ion Ratio Lower Upper
 96 100
 61 133.2 92.6 172.0
 98 61.8 43.8 81.3





#19

1,1-Dichloroethane

Concen: 21.930 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

ClientSampleId :

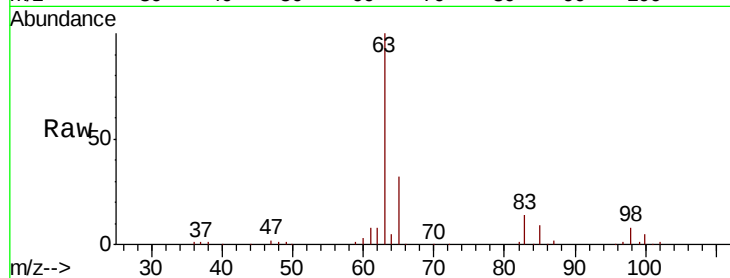
Tot Ion: 63 Resp: 223399

Ion Ratio Lower Upper

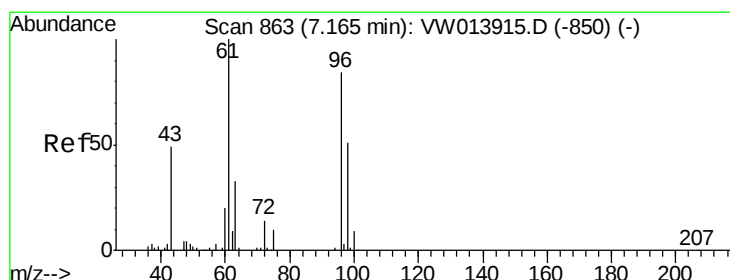
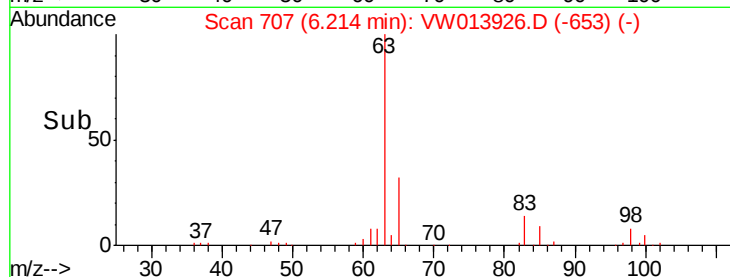
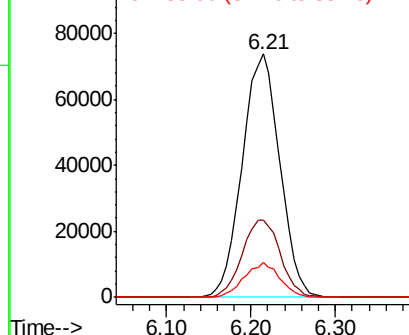
63 100

65 31.7 22.3 41.5

83 14.4 10.1 18.7



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



#21

2-Butanone

Concen: 39.040 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013926.D

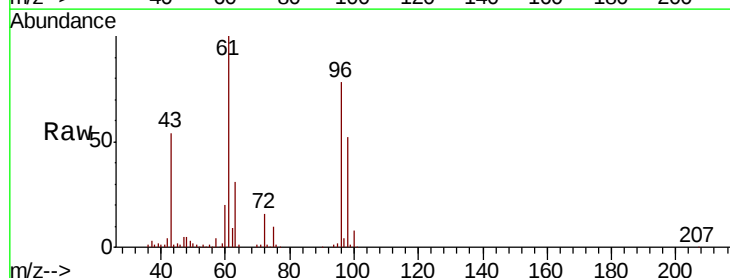
Acq: 06 Nov 2019 16:04

Tgt Ion: 43 Resp: 97482

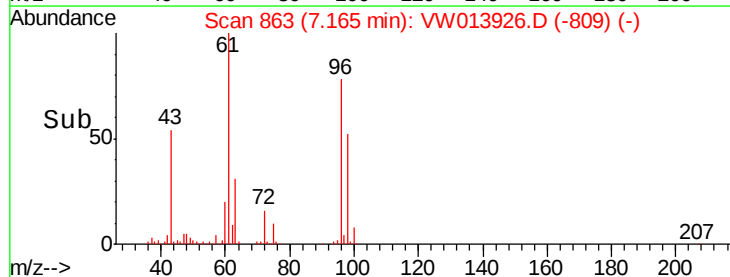
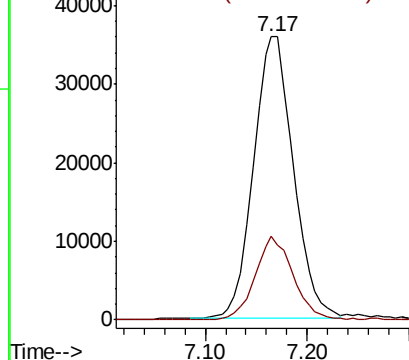
Ion Ratio Lower Upper

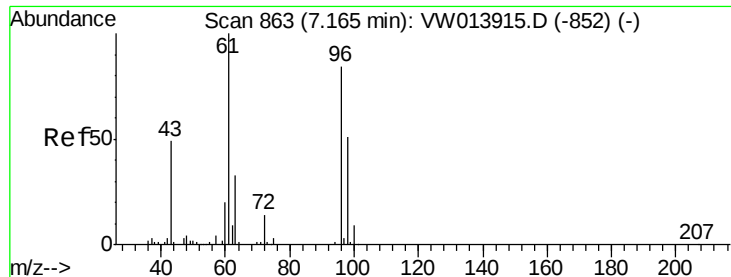
43 100

72 28.1 13.6 40.8



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



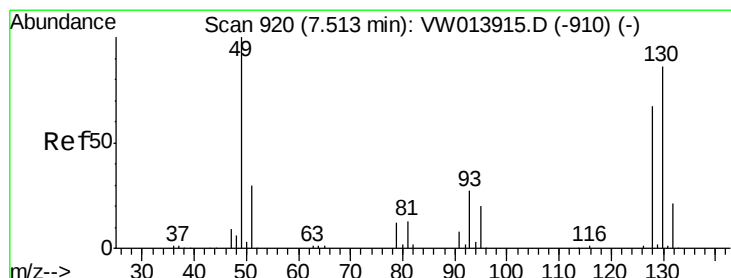
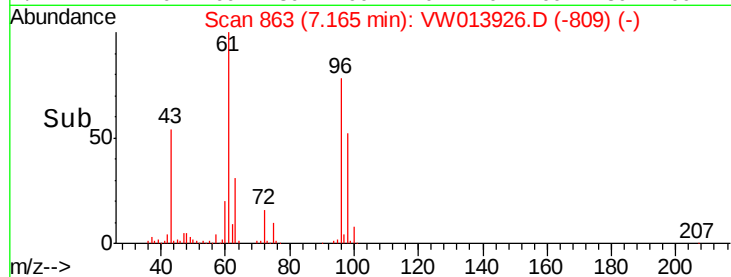
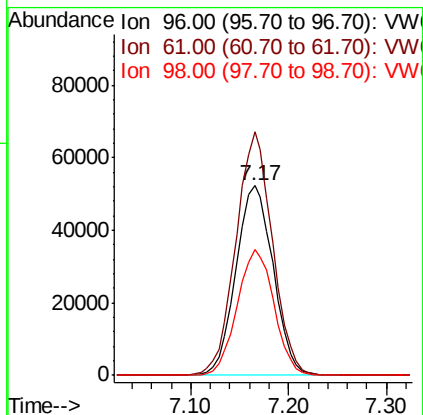
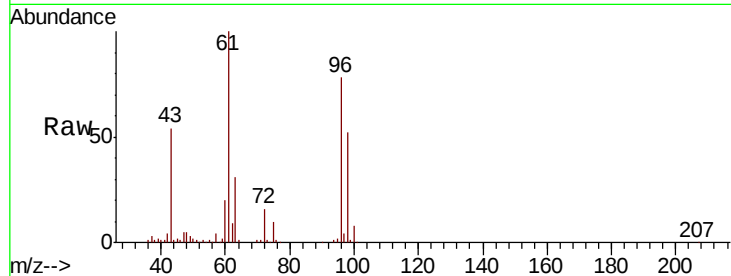


#22

cis-1,2-Dichloroethene
Concen: 21.909 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013926.D
Acq: 06 Nov 2019 16:04

Instrument :
MSVOA_W
ClientSampled :

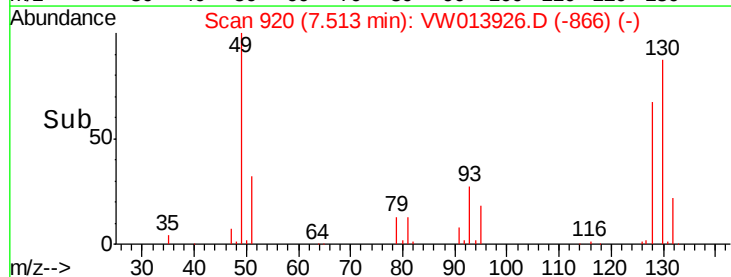
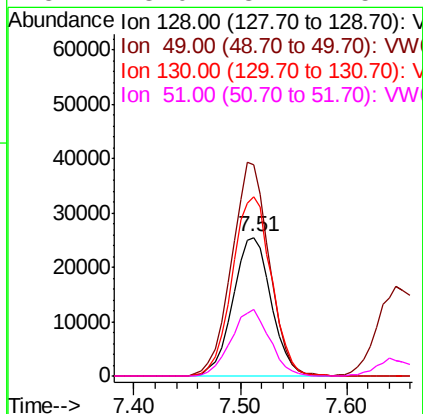
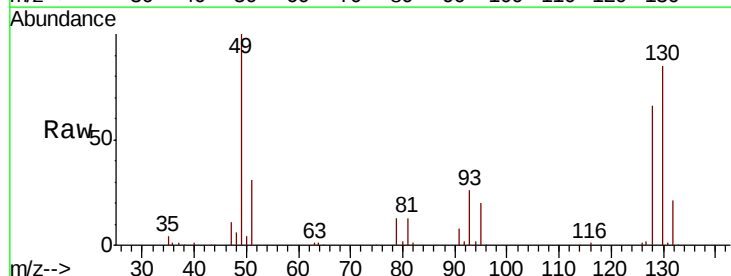
Tot Ion: 96 Resp: 138235
Ion Ratio Lower Upper
96 100
61 128.4 82.3 152.9
98 66.6 44.0 81.8

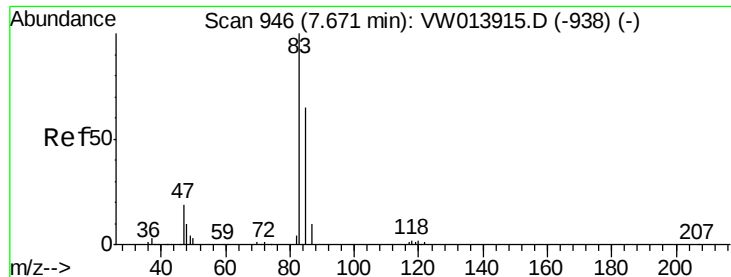


#23

Bromochloromethane
Concen: 21.676 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013926.D
Acq: 06 Nov 2019 16:04

Tgt Ion:128 Resp: 64309
Ion Ratio Lower Upper
128 100
49 152.4 98.7 183.3
130 129.7 86.8 161.2
51 48.0 34.2 51.2





#25

Chloroform

Concen: 22.196 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

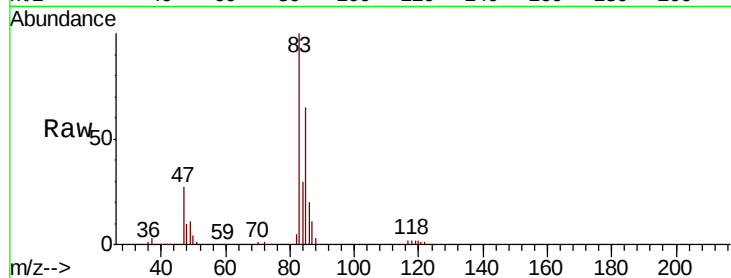
ClientSampled :

Tot Ion: 83 Resp: 227333

Ion Ratio Lower Upper

83 100

85 64.9 46.9 87.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.67

100000

80000

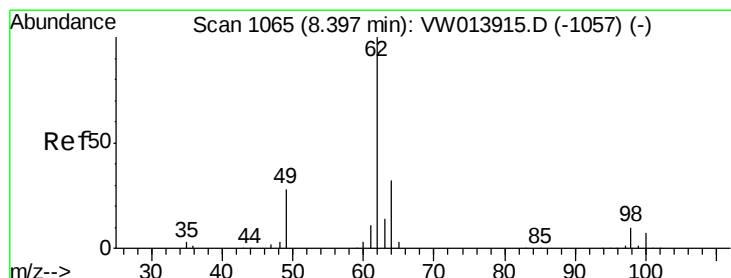
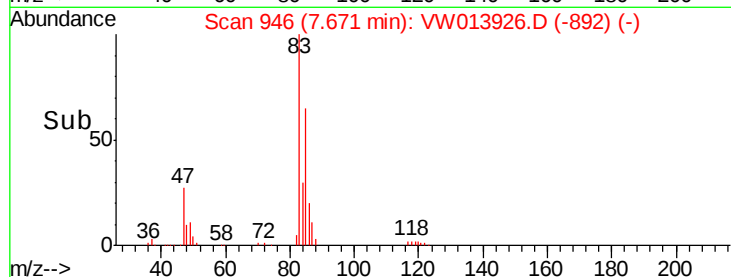
60000

40000

20000

0

Time-->



#27

1,2-Dichloroethane

Concen: 22.116 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013926.D

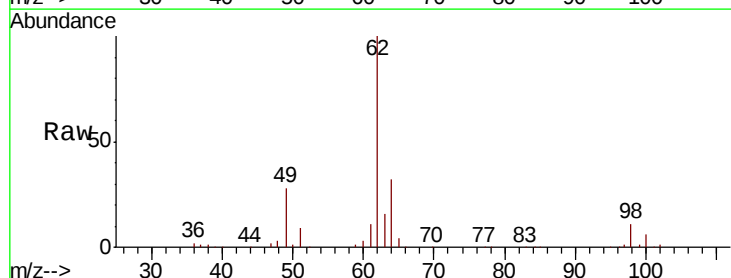
Acq: 06 Nov 2019 16:04

Tgt Ion: 62 Resp: 149812

Ion Ratio Lower Upper

62 100

98 10.5 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

80000

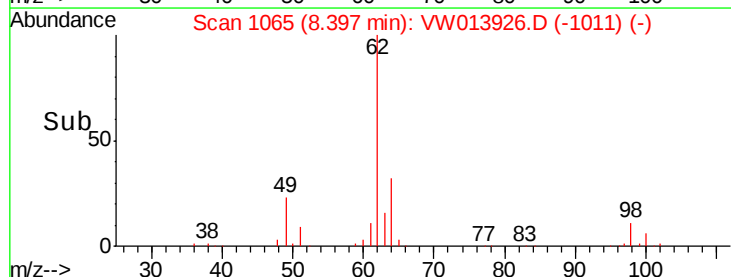
60000

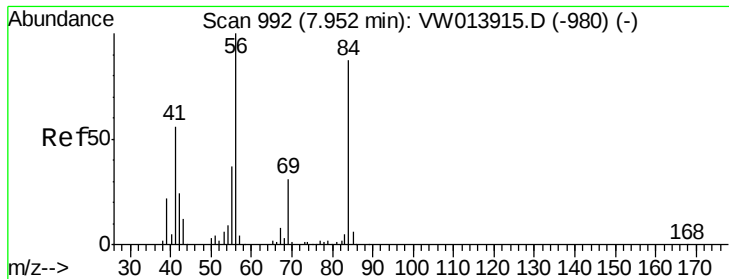
40000

20000

0

Time-->

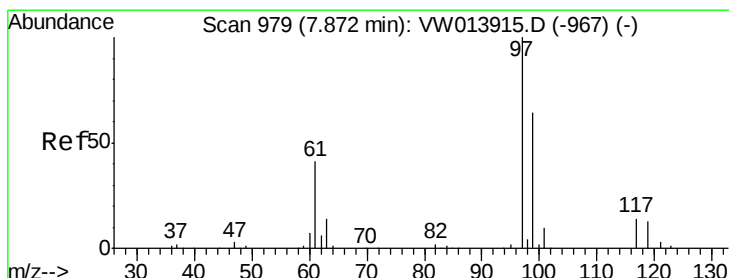
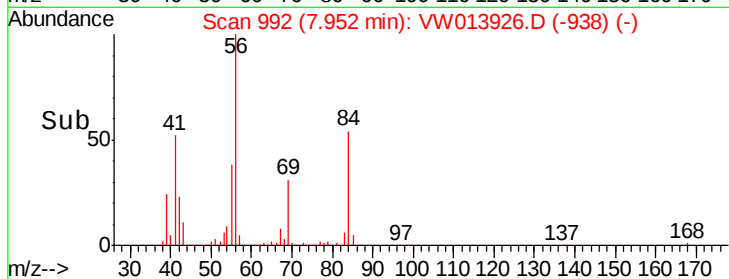
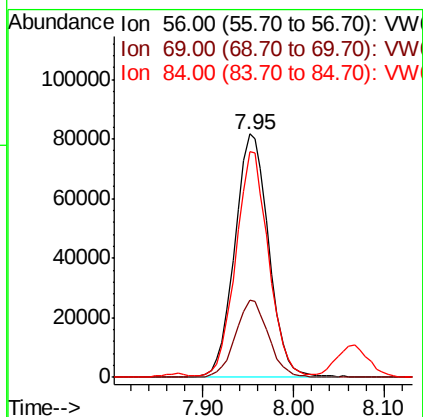
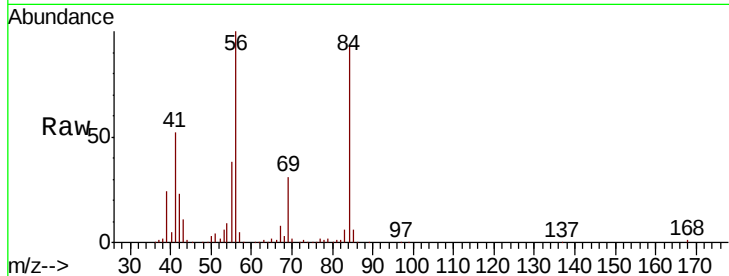




#30
Cyclohexane
Concen: 21.906 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013926.D
Acq: 06 Nov 2019 16:04

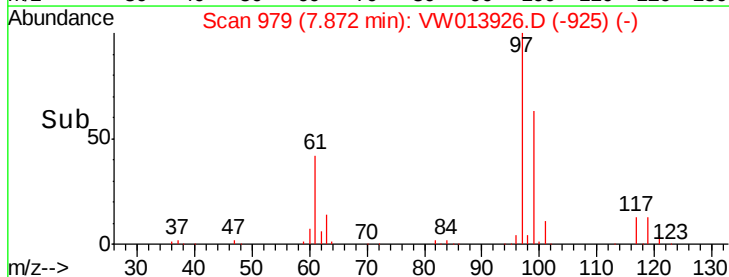
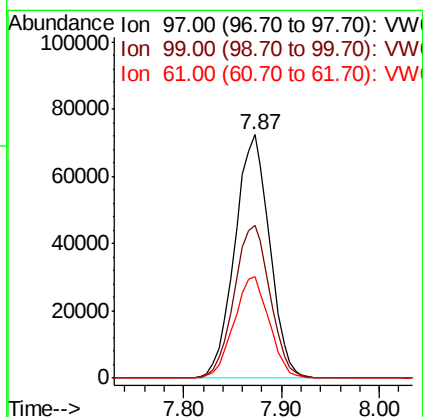
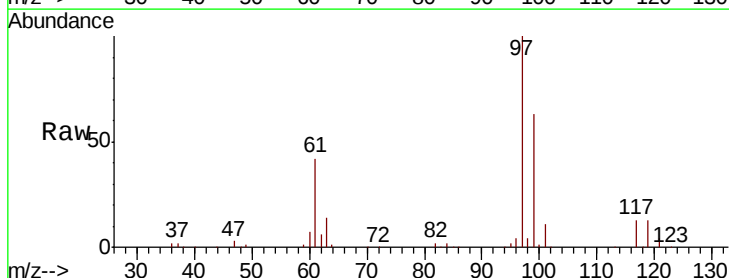
Instrument :
MSVOA_W
ClientSampled :

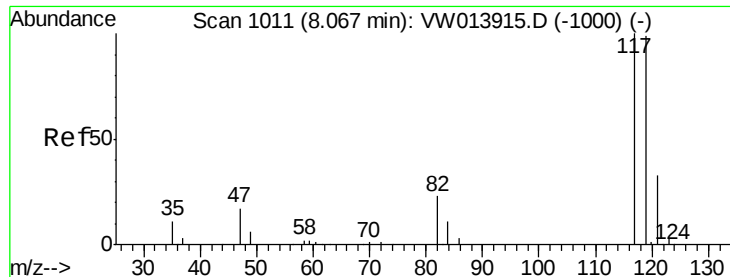
Tot Ion: 56 Resp: 212020
Ion Ratio Lower Upper
56 100
69 30.9 24.5 36.7
84 89.7 70.6 105.8



#31
1,1,1-Trichloroethane
Concen: 22.802 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013926.D
Acq: 06 Nov 2019 16:04

Tgt Ion: 97 Resp: 179090
Ion Ratio Lower Upper
97 100
99 64.6 52.0 78.0
61 42.1 33.6 50.4





#32

Carbon tetrachloride

Concen: 23.127 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

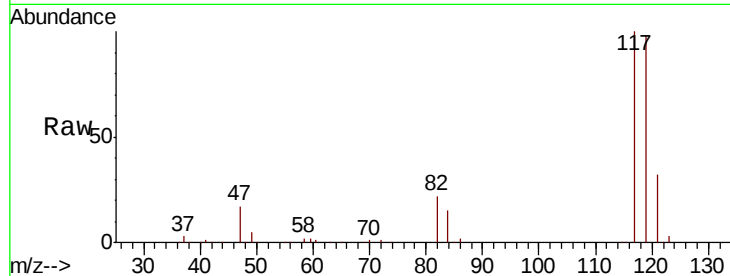
ClientSampled :

Tot Ion:117 Resp: 177624

Ion Ratio Lower Upper

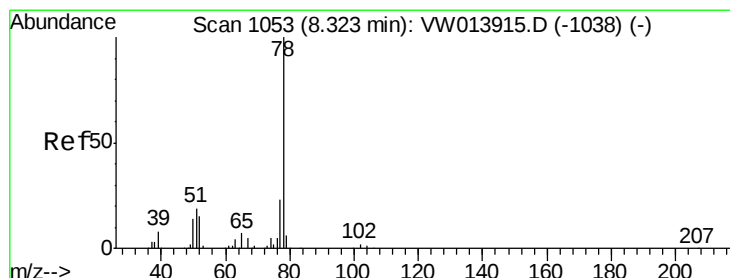
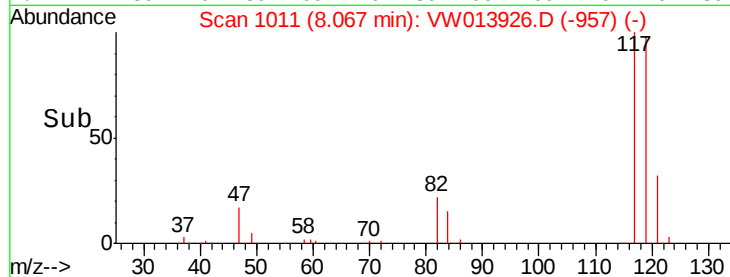
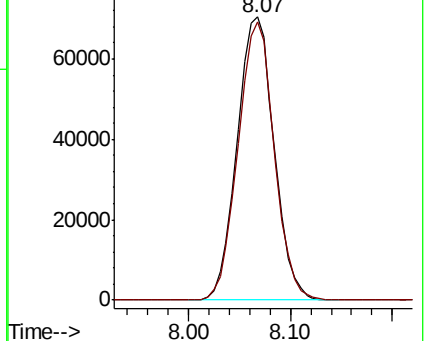
117 100

119 96.0 77.9 116.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 22.658 ug/L

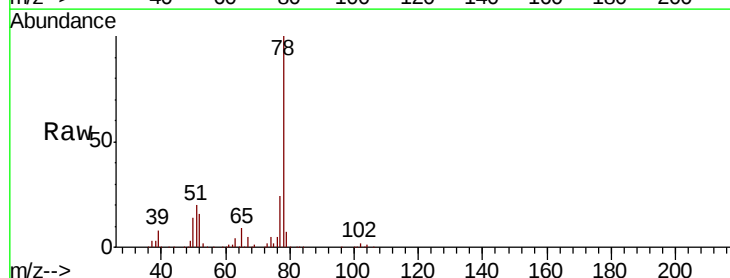
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

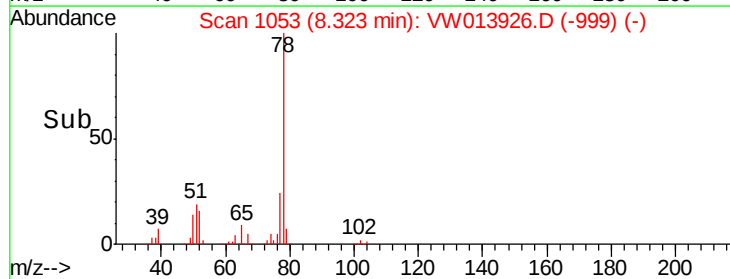
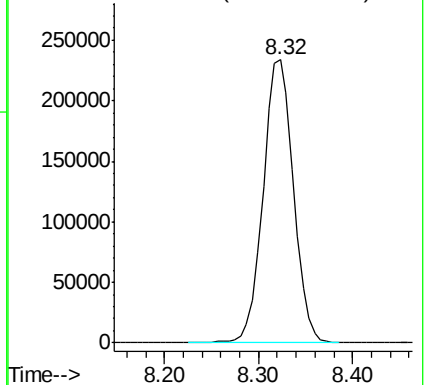
Lab File: VW013926.D

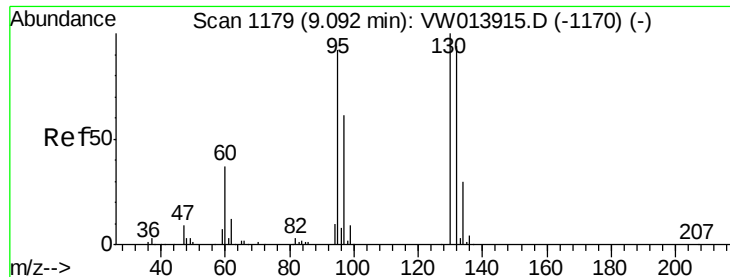
Acq: 06 Nov 2019 16:04

Tgt Ion: 78 Resp: 527600



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 22.183 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 136163

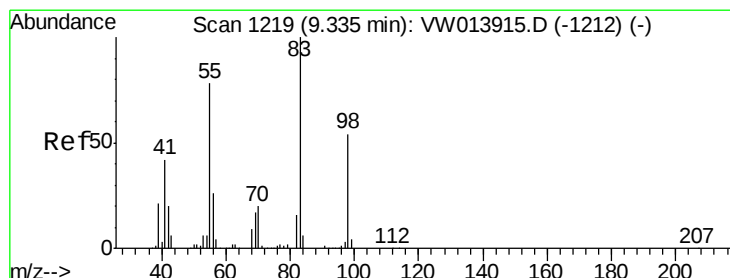
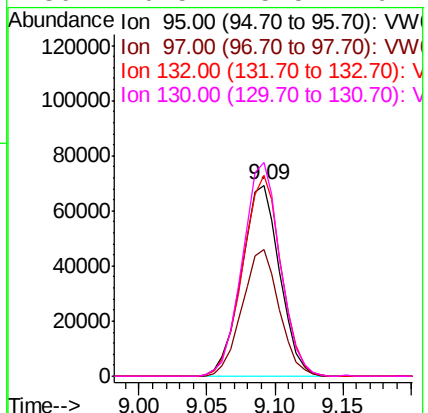
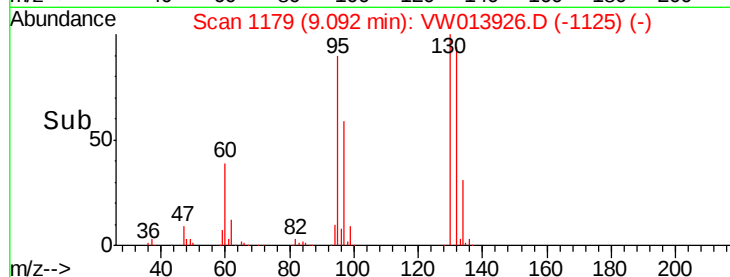
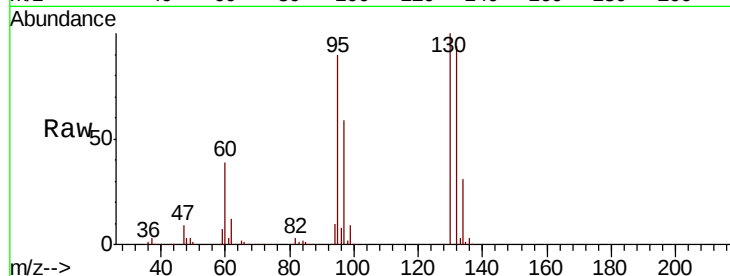
Ion Ratio Lower Upper

95 100

97 64.6 44.9 83.5

132 105.3 73.3 136.1

130 110.5 75.5 140.1



#36

Methylcyclohexane

Concen: 21.930 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

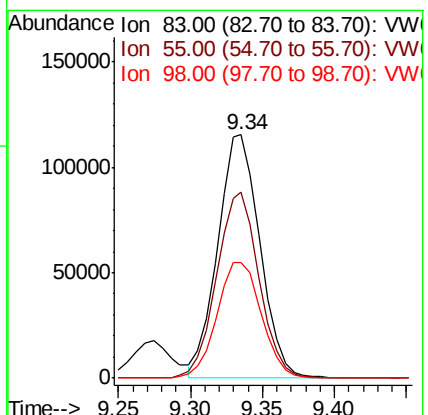
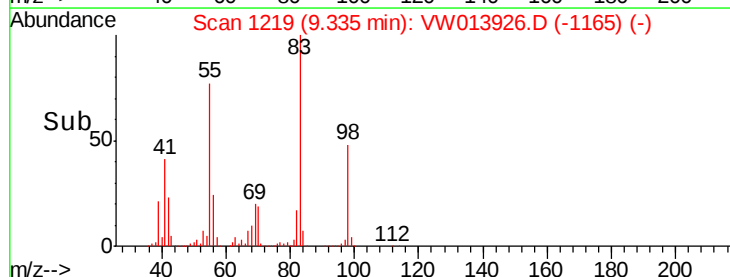
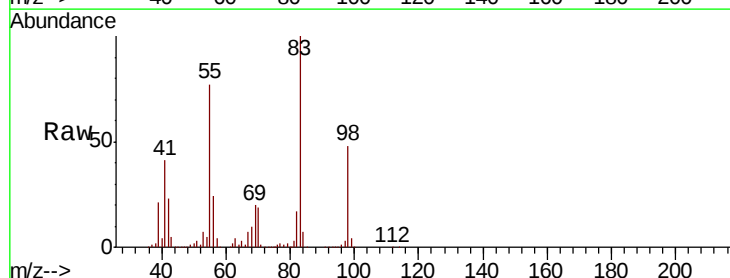
Tgt Ion: 83 Resp: 236275

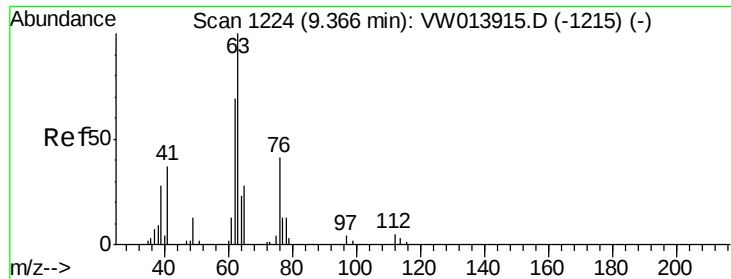
Ion Ratio Lower Upper

83 100

55 76.6 60.2 90.2

98 50.1 39.2 58.8

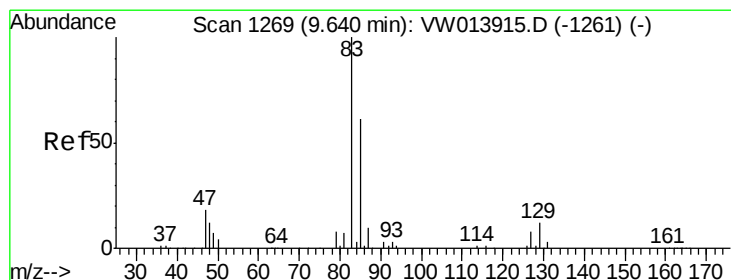
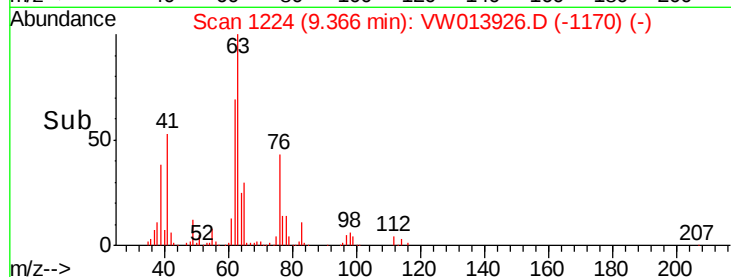
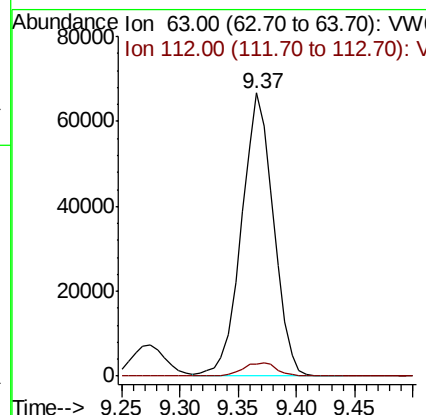
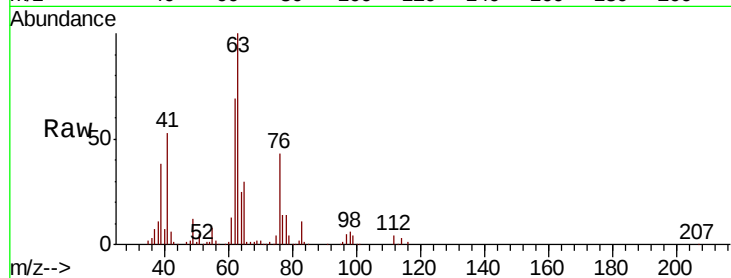




#40
 1,2-Dichloropropane
 Concen: 22.371 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013926.D
 Acq: 06 Nov 2019 16:04

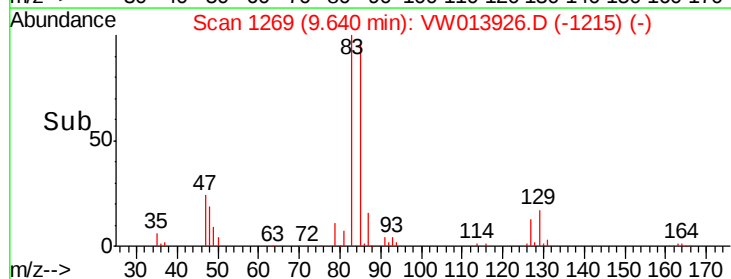
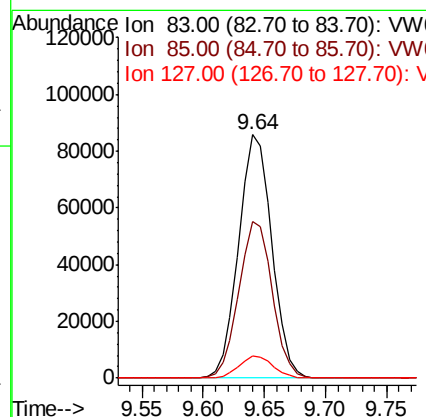
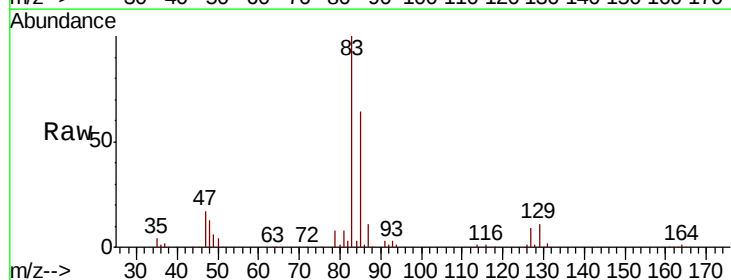
Instrument :
 MSVOA_W
 ClientSampleId :

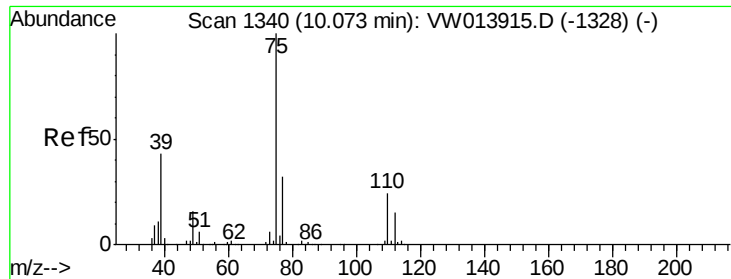
Tot Ion: 63 Resp: 127857
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.9 5.9



#41
 Bromodichloromethane
 Concen: 22.472 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013926.D
 Acq: 06 Nov 2019 16:04

Tgt Ion: 83 Resp: 161452
 Ion Ratio Lower Upper
 83 100
 85 64.2 43.5 80.7
 127 8.9 7.0 10.4

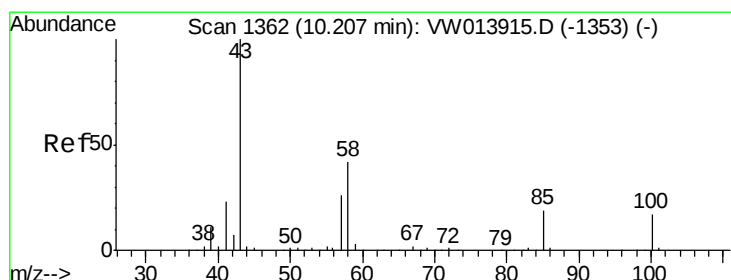
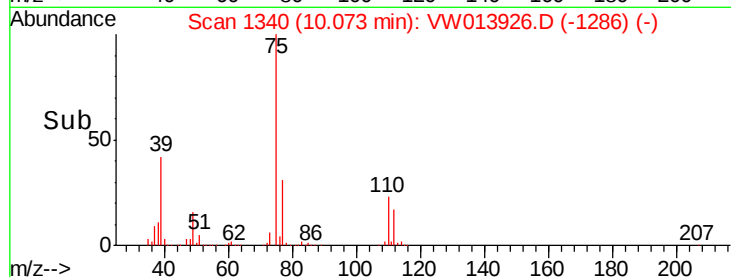
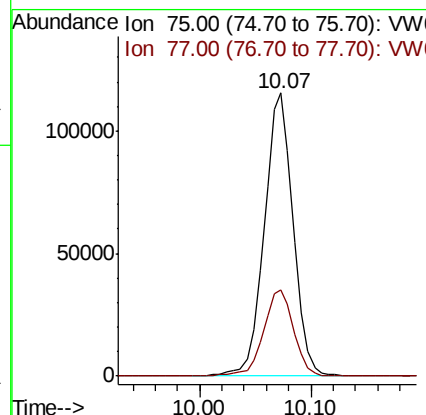
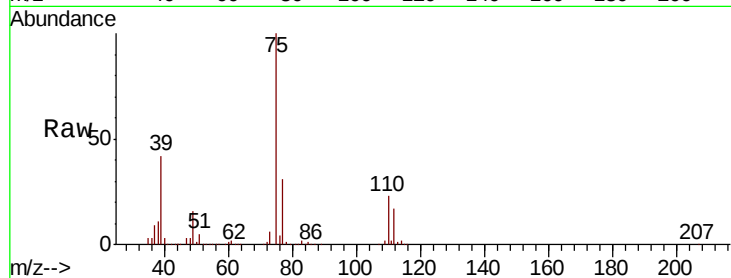




#42
 cis-1,3-Dichloropropene
 Concen: 23.056 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013926.D
 Acq: 06 Nov 2019 16:04

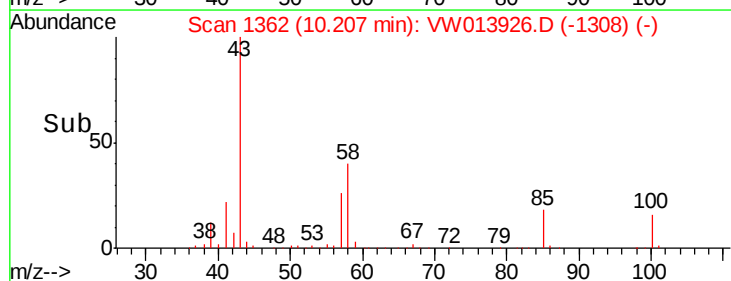
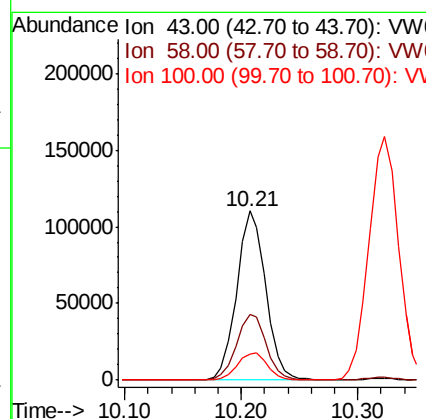
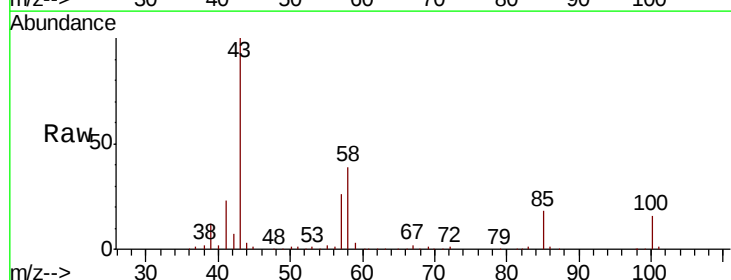
Instrument :
 MSVOA_W
 ClientSampled :

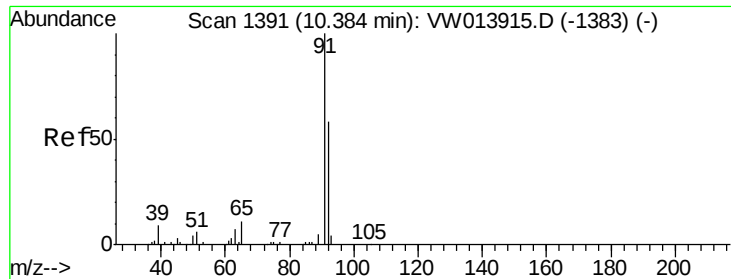
Tot Ion: 75 Resp: 207665
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.8 40.4



#43
 4-Methyl-2-pentanone
 Concen: 43.632 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW013926.D
 Acq: 06 Nov 2019 16:04

Tgt Ion: 43 Resp: 191781
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.6 48.8
 100 16.8 14.1 21.1





#44

Toluene

Concen: 22.834 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

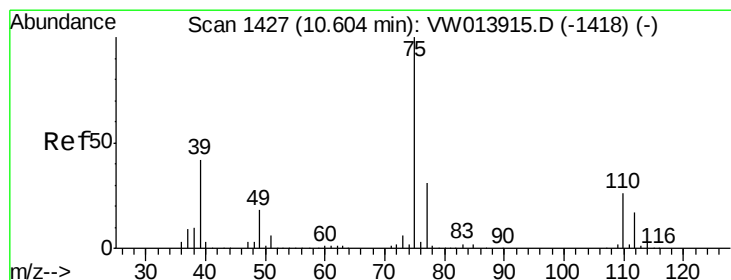
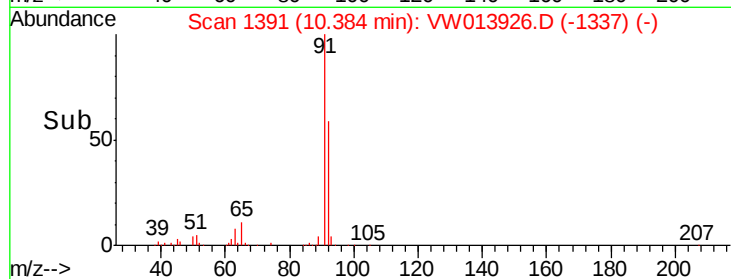
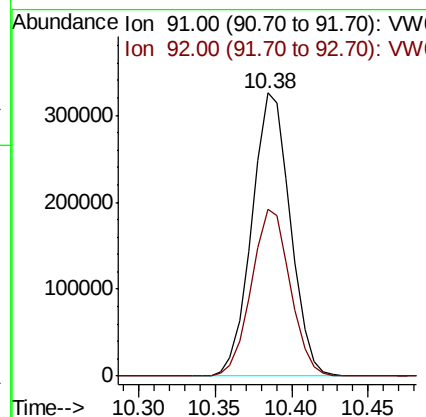
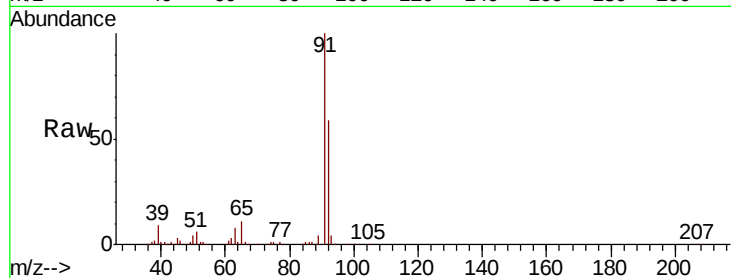
ClientSampleId :

Tot Ion: 91 Resp: 571345

Ion Ratio Lower Upper

91 100

92 59.1 40.3 74.9



#45

trans-1,3-Dichloropropene

Concen: 22.836 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013926.D

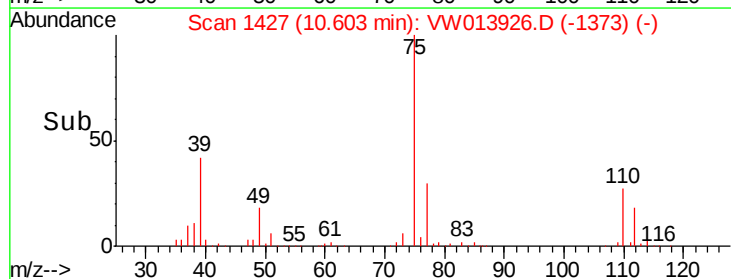
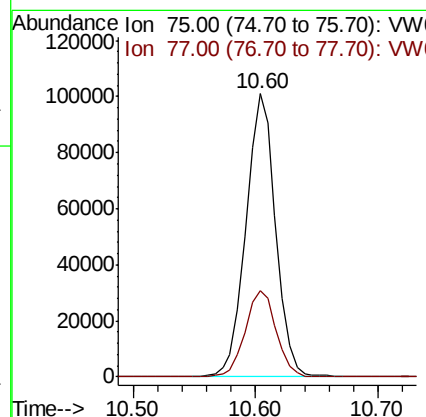
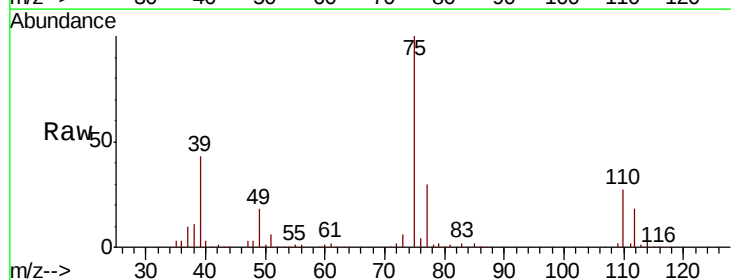
Acq: 06 Nov 2019 16:04

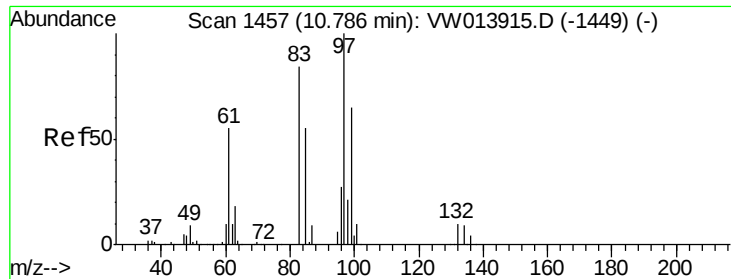
Tgt Ion: 75 Resp: 169952

Ion Ratio Lower Upper

75 100

77 30.4 22.5 41.7

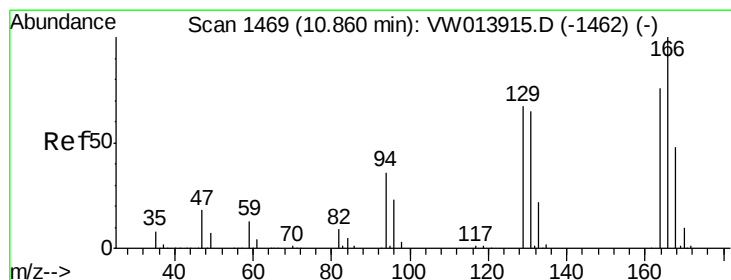
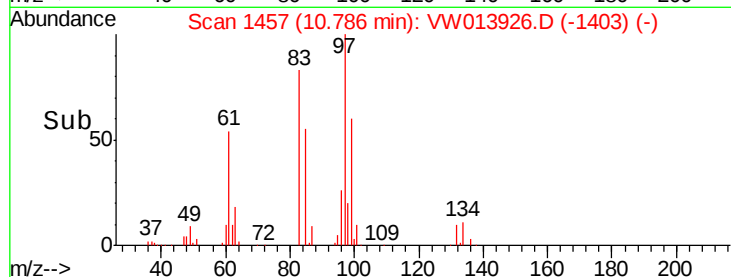
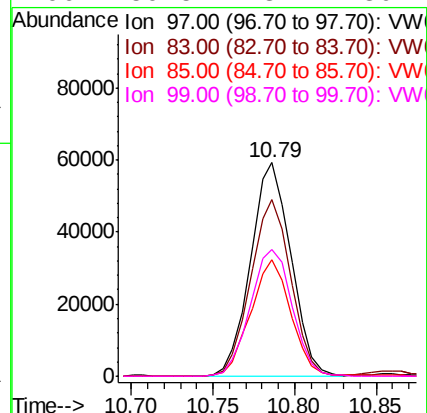
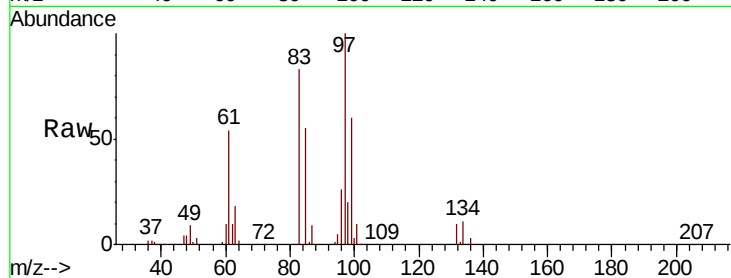




#46
1,1,2-Trichloroethane
Concen: 22.435 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW013926.D
Acq: 06 Nov 2019 16:04

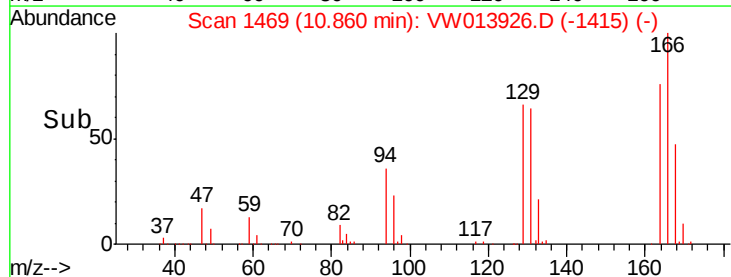
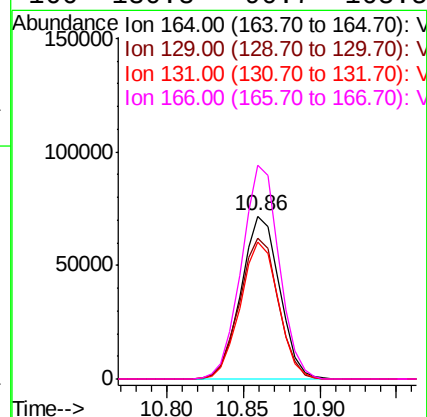
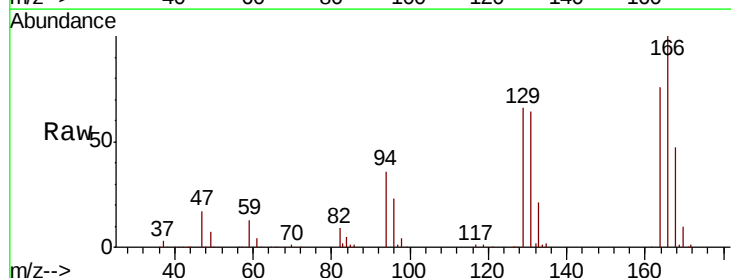
Instrument :
MSVOA_W
ClientSampleId :

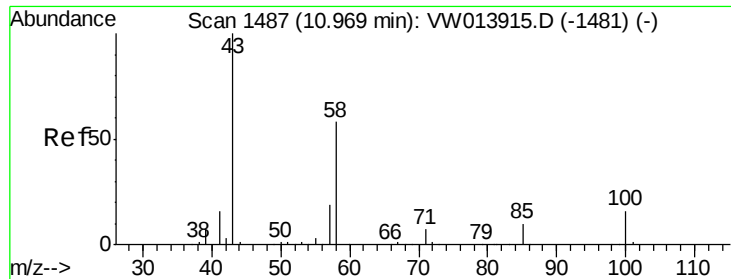
Tot Ion:	97	Resp:	102388
Ion	Ratio	Lower	Upper
97	100		
83	82.7	58.4	108.4
85	54.7	36.2	67.2
99	59.5	43.1	80.1



#47
Tetrachloroethene
Concen: 22.188 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013926.D
Acq: 06 Nov 2019 16:04

Tgt Ion:	164	Resp:	125386
Ion	Ratio	Lower	Upper
164	100		
129	86.5	63.0	117.0
131	83.8	60.6	112.6
166	130.8	90.7	168.5





#49

2-Hexanone

Concen: 42.300 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 136586

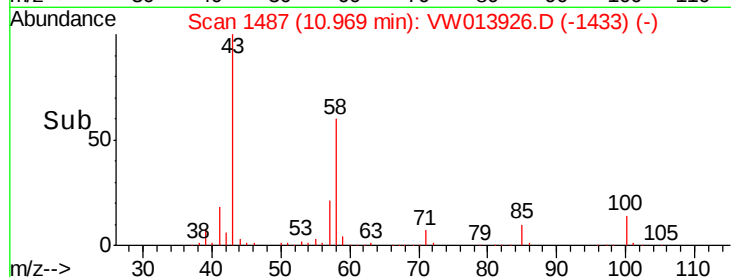
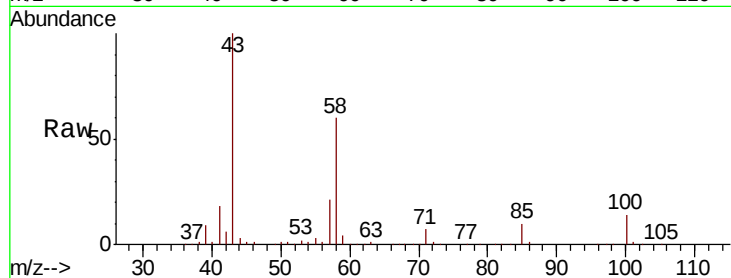
Ion Ratio Lower Upper

43 100

58 58.5 45.2 67.8

57 20.6 15.4 23.0

100 14.6 10.9 16.3

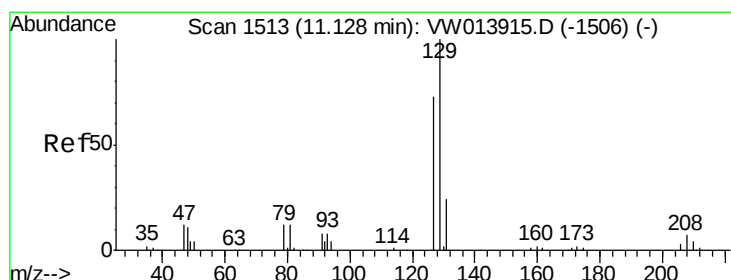
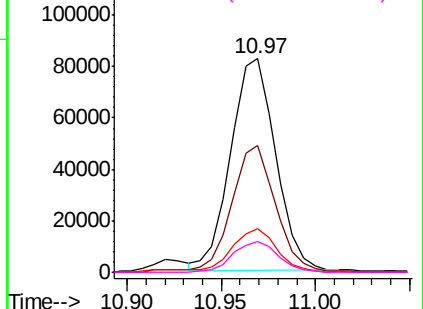


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 22.926 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013926.D

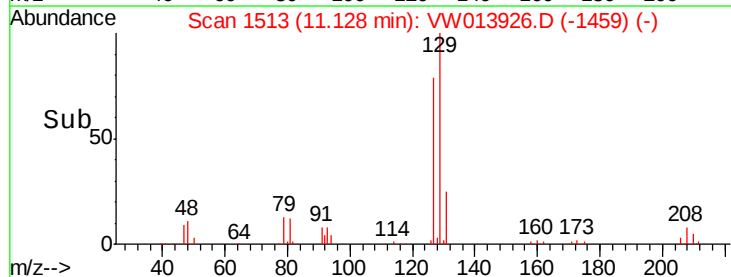
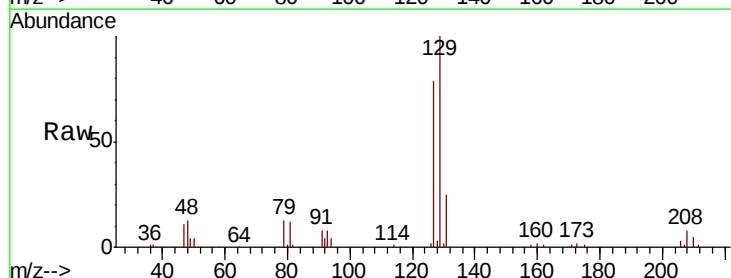
Acq: 06 Nov 2019 16:04

Tgt Ion: 129 Resp: 121455

Ion Ratio Lower Upper

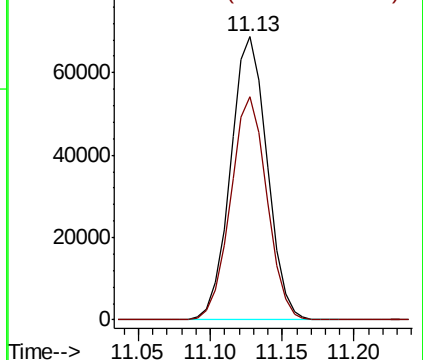
129 100

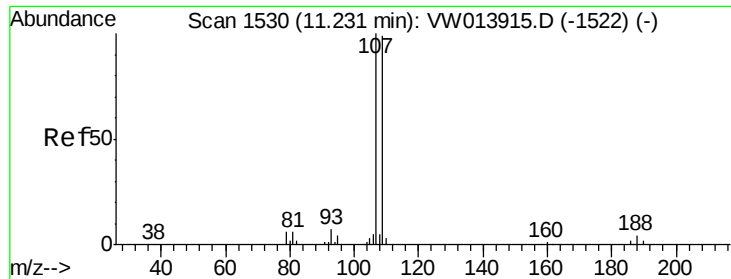
127 79.0 52.1 96.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 22.107 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013926.D

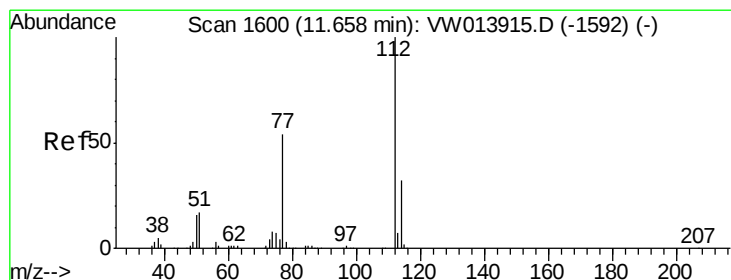
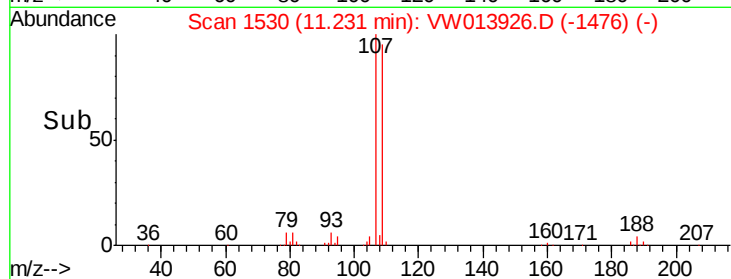
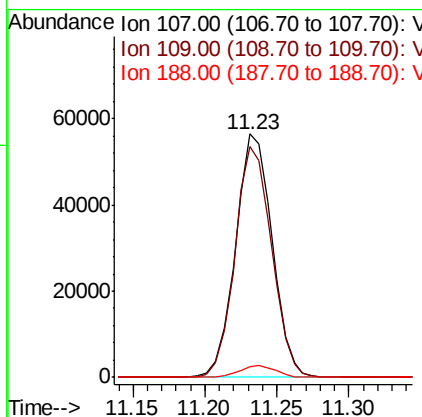
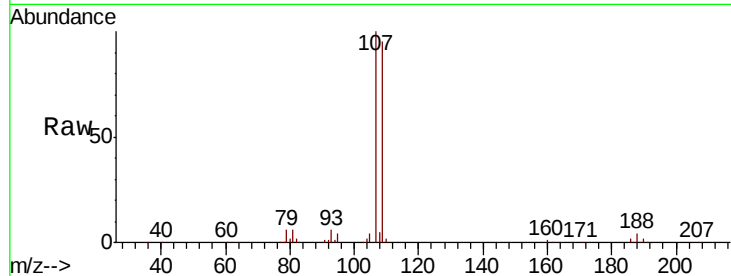
Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	107	Resp:	99737
Ion	Ratio	Lower	Upper
107	100		
109	94.6	66.3	123.1
188	4.5	3.5	5.3



#52

Chlorobenzene

Concen: 22.039 ug/L

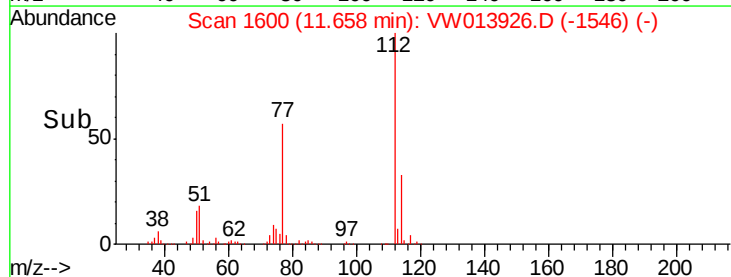
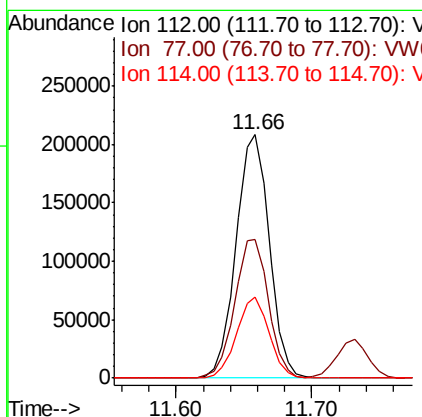
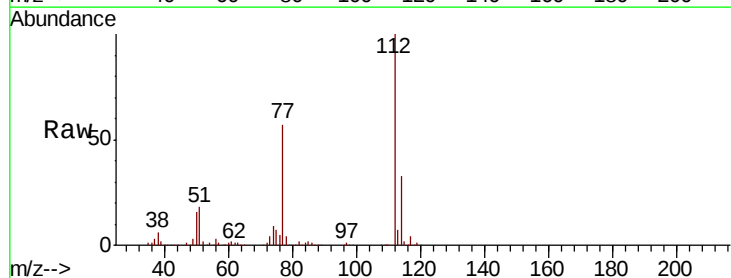
RT: 11.66 min Scan# 1600

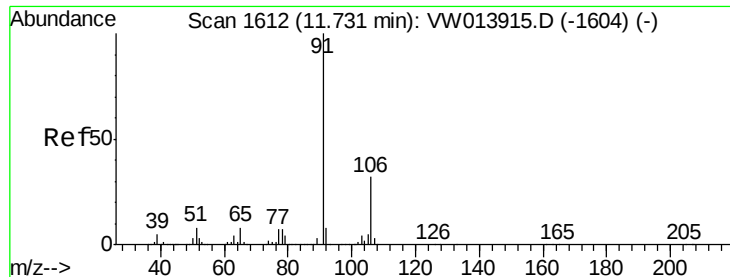
Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Tgt Ion:	112	Resp:	355633
Ion	Ratio	Lower	Upper
112	100		
77	56.8	45.4	68.0
114	33.3	22.6	42.0

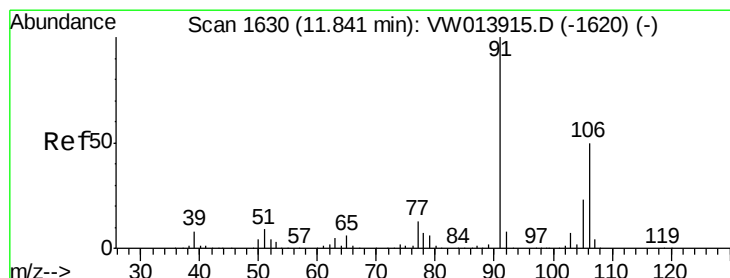
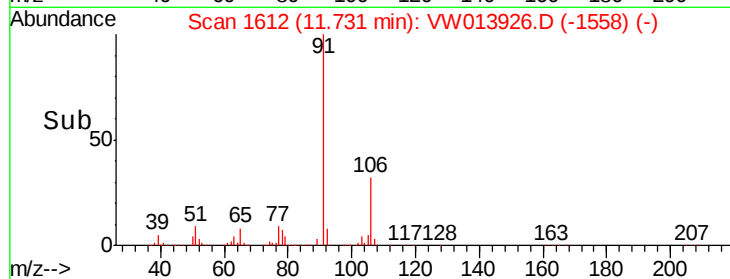
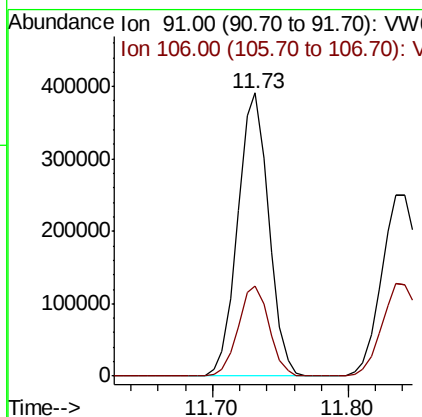
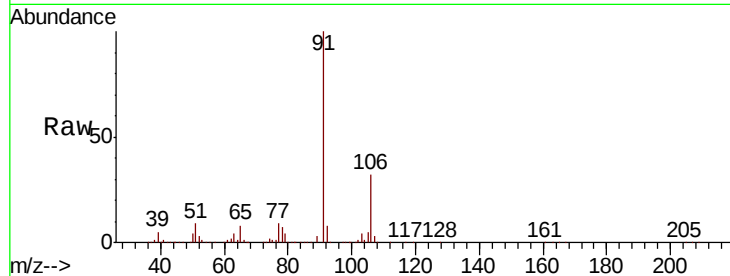




#53
Ethylbenzene
Concen: 22.298 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013926.D
Acq: 06 Nov 2019 16:04

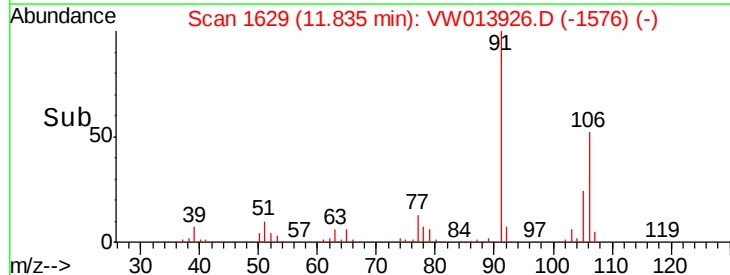
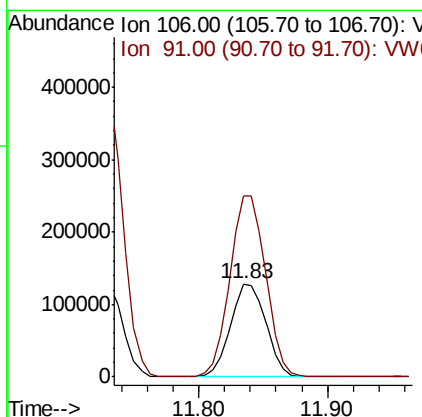
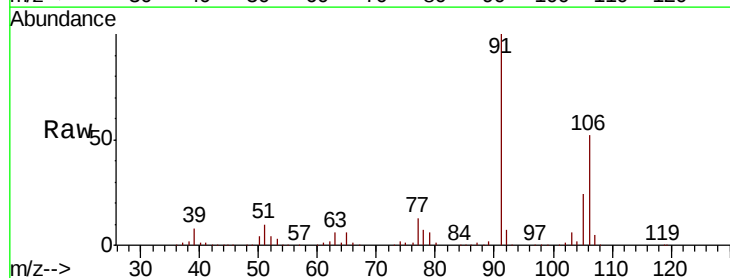
Instrument :
MSVOA_W
ClientSampled :

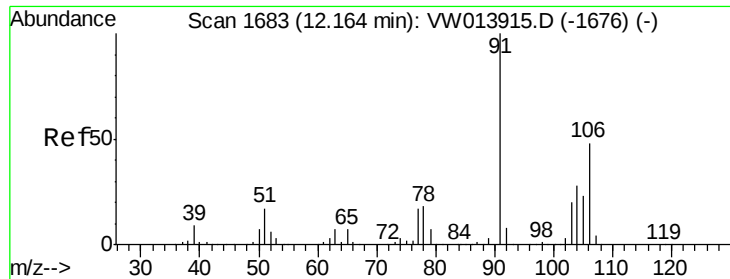
Tot Ion: 91 Resp: 621069
Ion Ratio Lower Upper
91 100
106 31.8 22.0 40.8



#54
m,p-Xylene
Concen: 22.853 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013926.D
Acq: 06 Nov 2019 16:04

Tgt Ion: 106 Resp: 245297
Ion Ratio Lower Upper
106 100
91 193.8 133.7 248.3





#55

o-xylene

Concen: 22.746 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

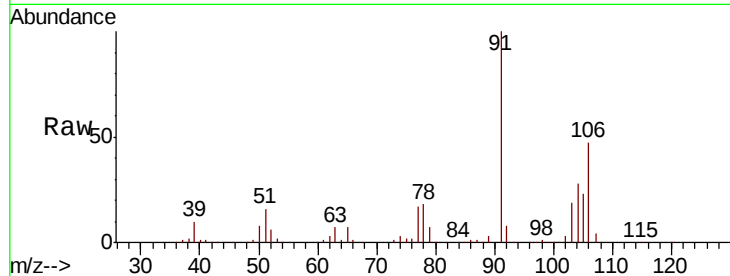
ClientSampleId :

Tot Ion:106 Resp: 230783

Ion Ratio Lower Upper

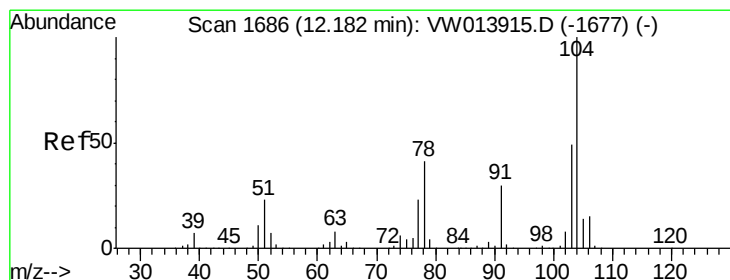
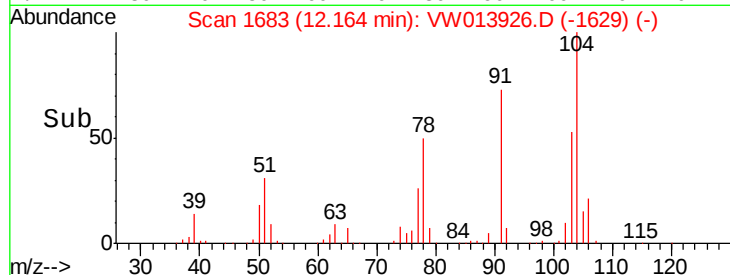
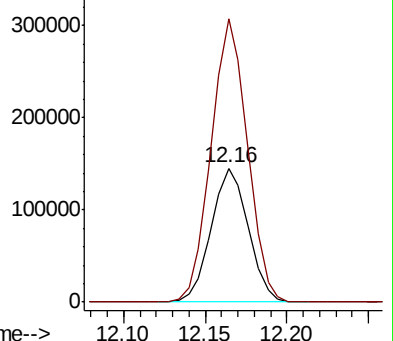
106 100

91 210.9 145.6 270.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 23.132 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW013926.D

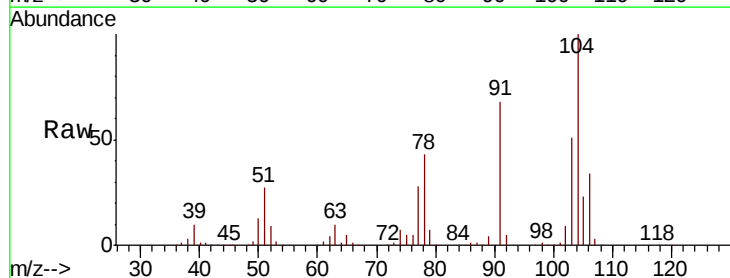
Acq: 06 Nov 2019 16:04

Tgt Ion:104 Resp: 405003

Ion Ratio Lower Upper

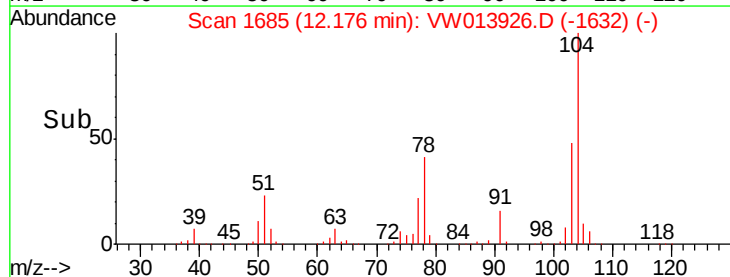
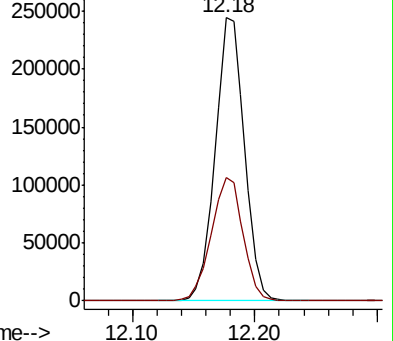
104 100

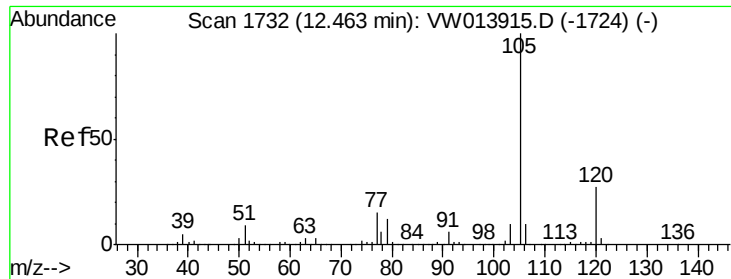
78 43.4 29.2 54.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 22.728 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

ClientSampled :

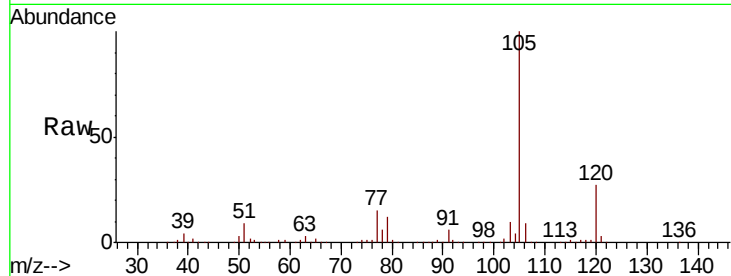
Tot Ion:105 Resp: 621800

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

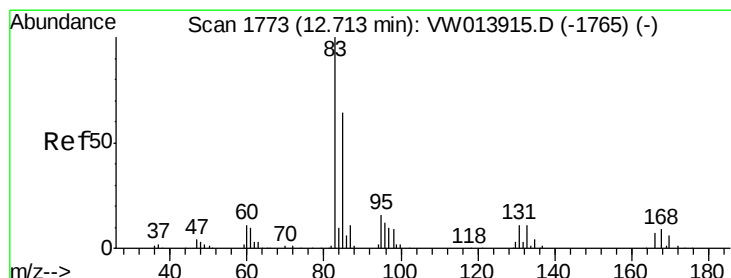
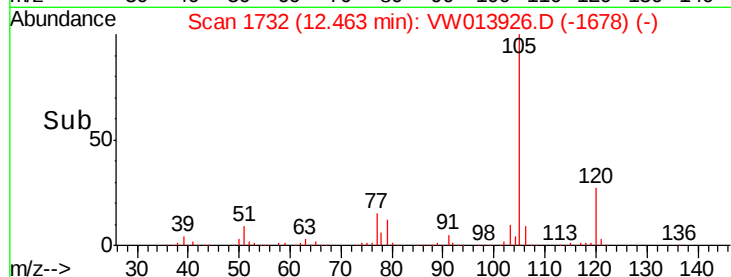
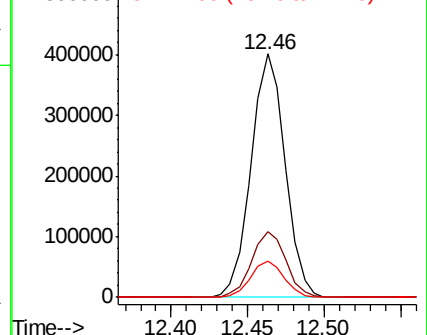
77 14.7 11.7 17.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 22.138 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

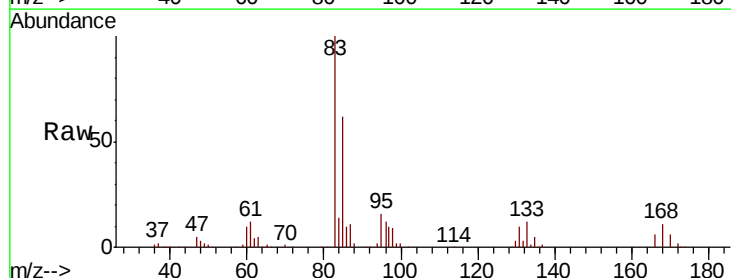
Tgt Ion: 83 Resp: 127240

Ion Ratio Lower Upper

83 100

85 62.1 45.6 84.6

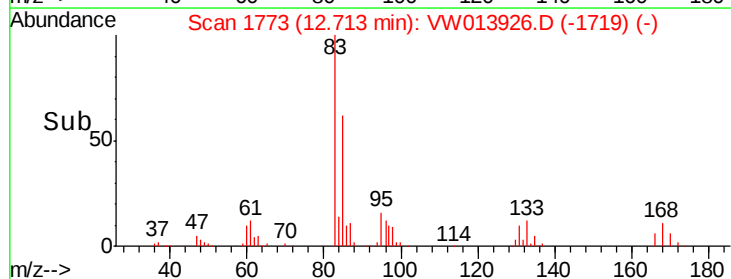
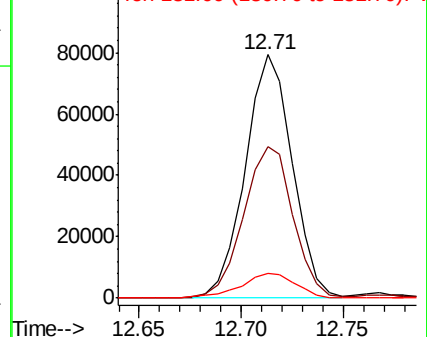
131 10.4 7.8 11.8

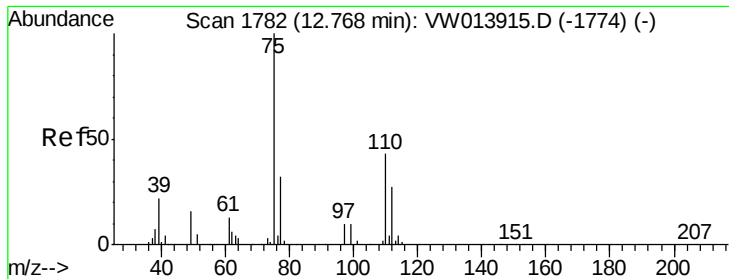


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.504 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

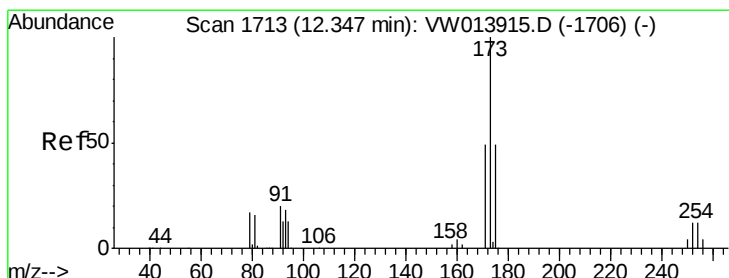
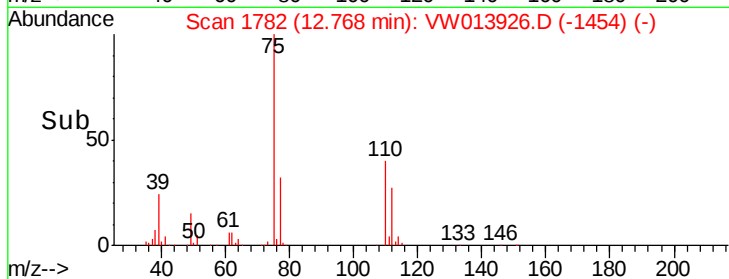
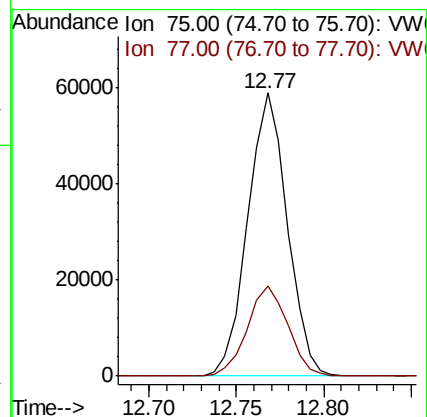
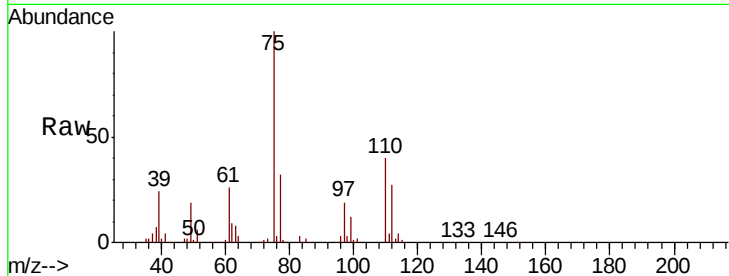
ClientSampleId :

Tot Ion: 75 Resp: 92795

Ion Ratio Lower Upper

75 100

77 32.6 25.9 38.9



#62

Bromoform

Concen: 21.980 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

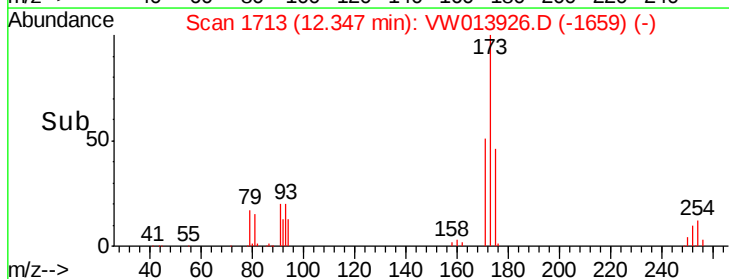
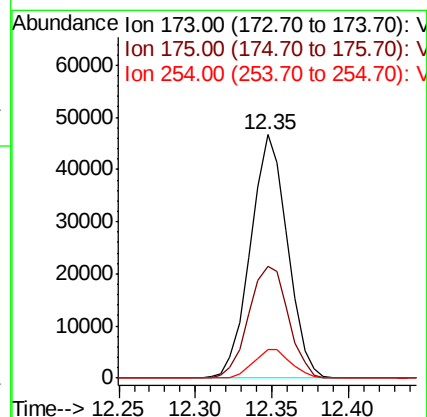
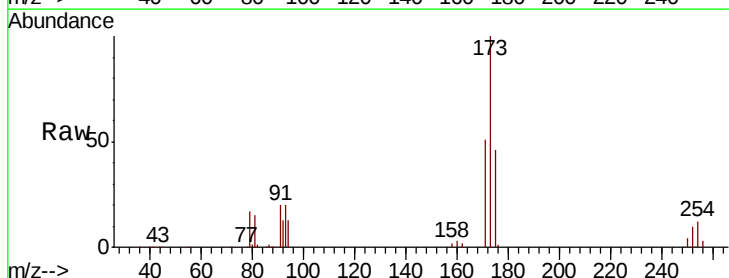
Tgt Ion: 173 Resp: 78608

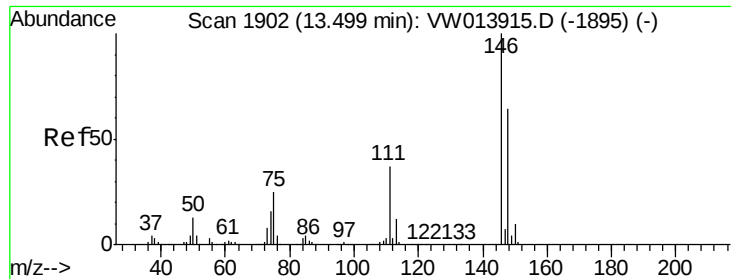
Ion Ratio Lower Upper

173 100

175 49.1 39.7 59.5

254 11.6 10.0 15.0

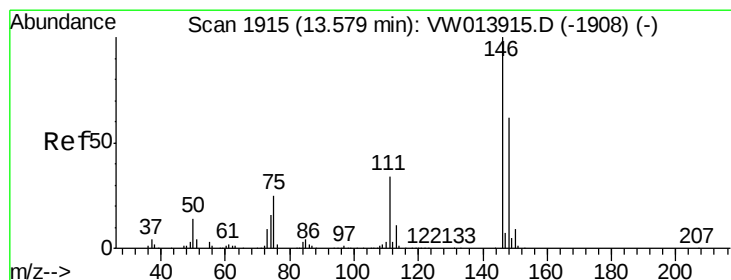
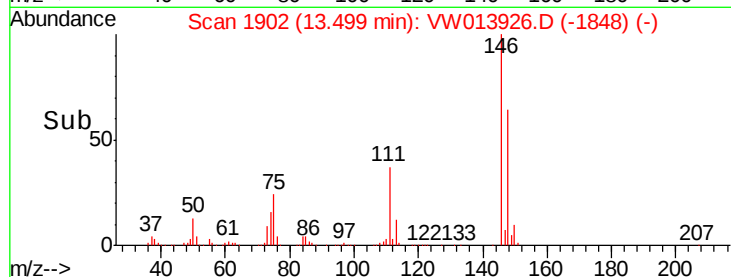
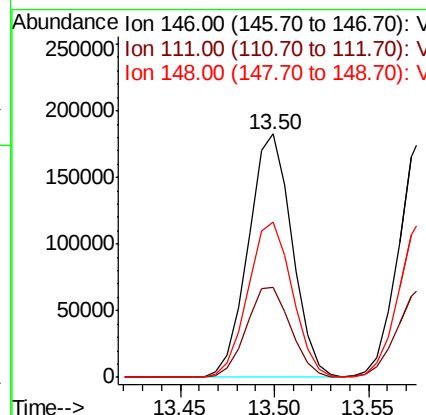
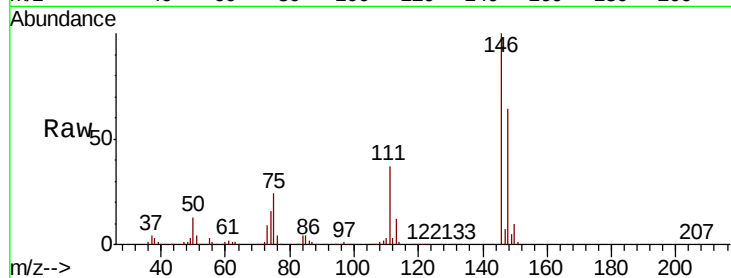




#63
 1,3-Dichlorobenzene
 Concen: 21.583 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013926.D
 Acq: 06 Nov 2019 16:04

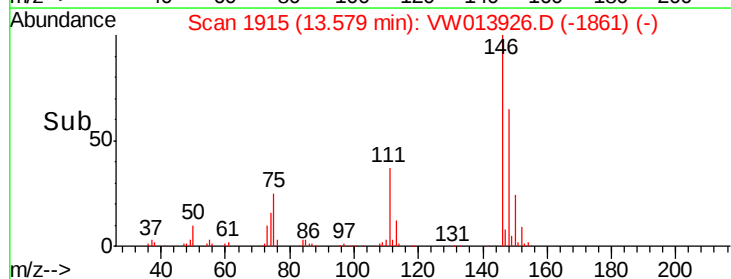
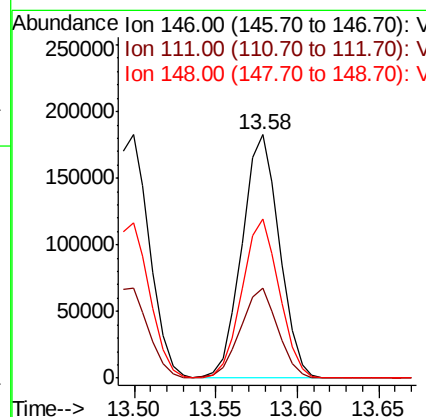
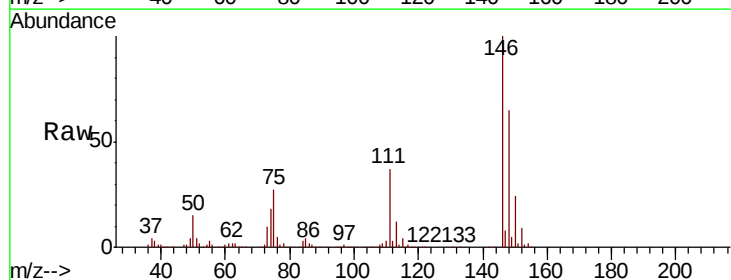
Instrument :
 MSVOA_W
 ClientSampled :

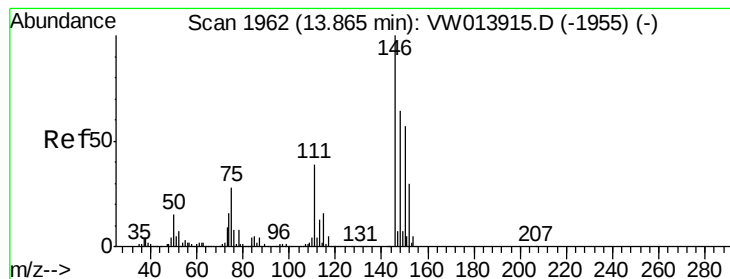
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	27.4	51.0
148	64.0	44.6	82.8



#64
 1,4-Dichlorobenzene
 Concen: 21.433 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013926.D
 Acq: 06 Nov 2019 16:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	25.9	48.1
148	65.5	46.3	86.1





#65

1,2-Dichlorobenzene

Concen: 21.905 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

ClientSampleId :

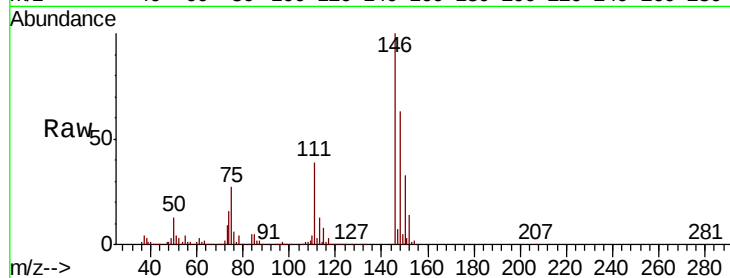
Tot Ion:146 Resp: 269808

Ion Ratio Lower Upper

146 100

111 39.5 31.6 47.4

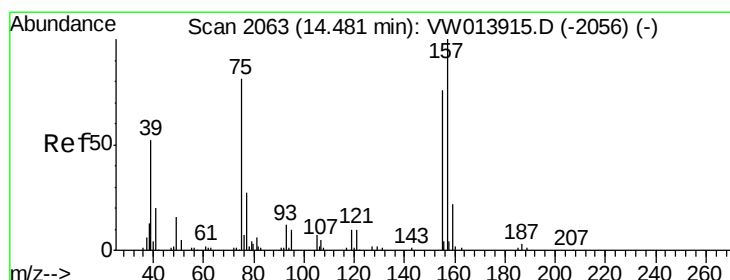
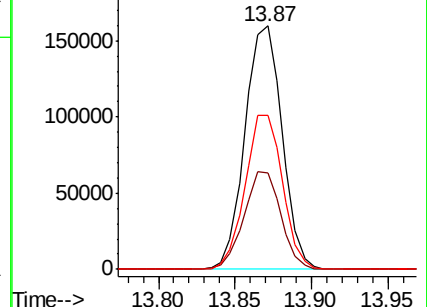
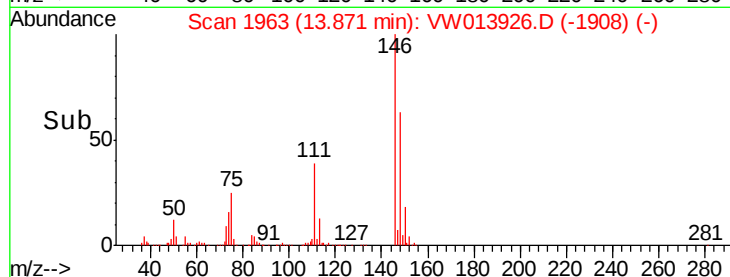
148 63.0 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 19.869 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

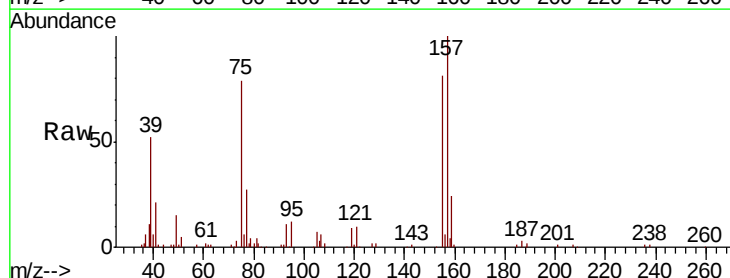
Tgt Ion: 75 Resp: 19604

Ion Ratio Lower Upper

75 100

157 126.2 91.0 136.6

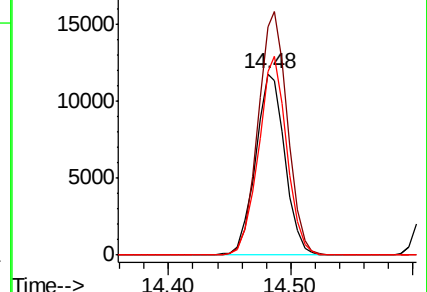
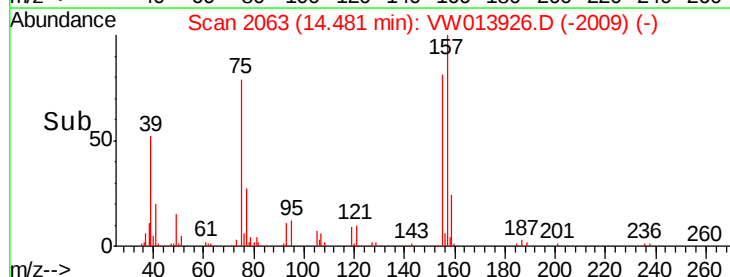
155 101.7 74.7 112.1

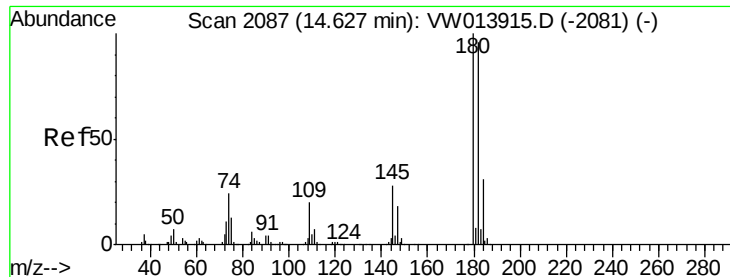


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

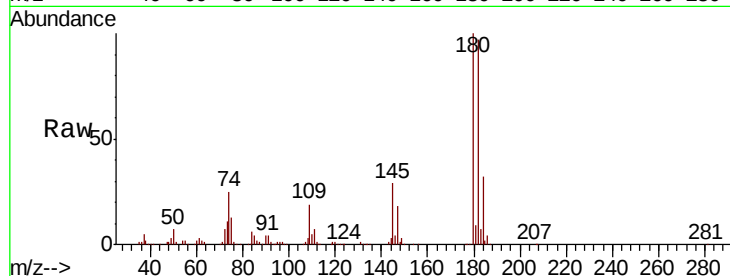




#67
 1,3,5-Trichlorobenzene
 Concen: 21.778 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013926.D
 Acq: 06 Nov 2019 16:04

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	180	Resp	223432
Ion Ratio	100	Lower	Upper
180	100		
182	97.0	76.8	115.2
184	30.7	23.8	35.8
145	27.9	21.9	32.9



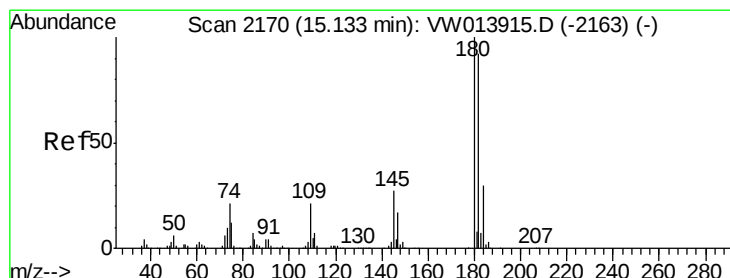
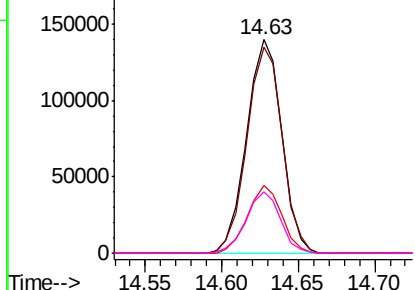
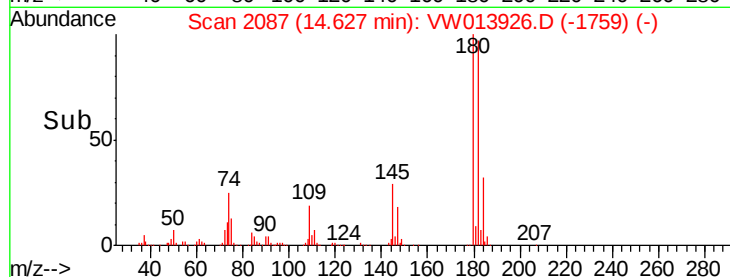
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

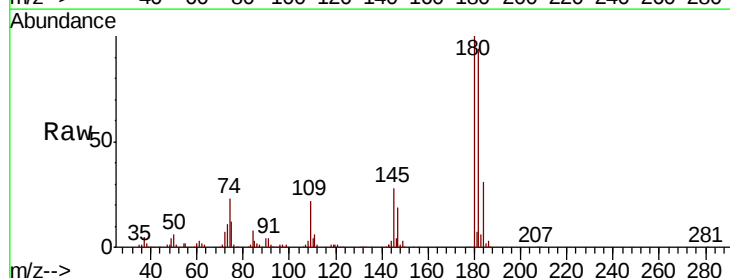
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 21.453 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013926.D
 Acq: 06 Nov 2019 16:04

Tgt Ion	180	Resp	178190
Ion Ratio	100	Lower	Upper
180	100		
182	95.3	78.9	118.3
145	28.0	22.7	34.1

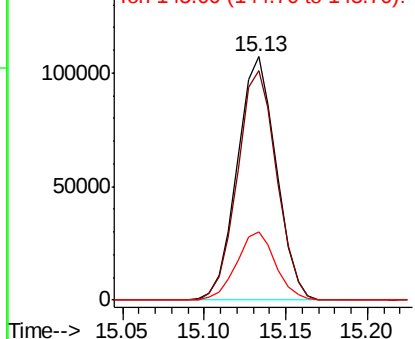
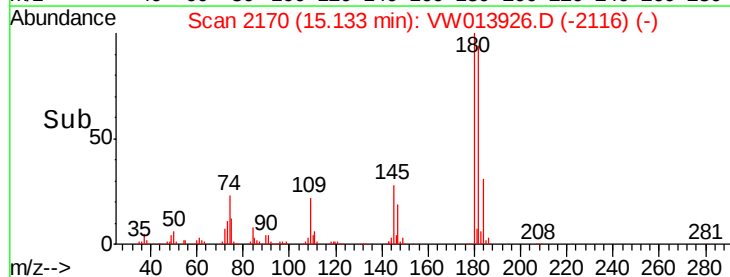


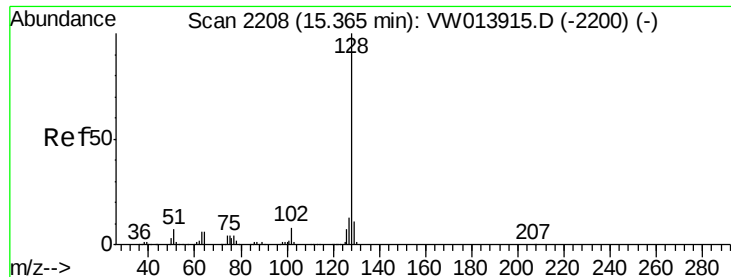
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 21.430 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

Instrument :

MSVOA_W

ClientSampled :

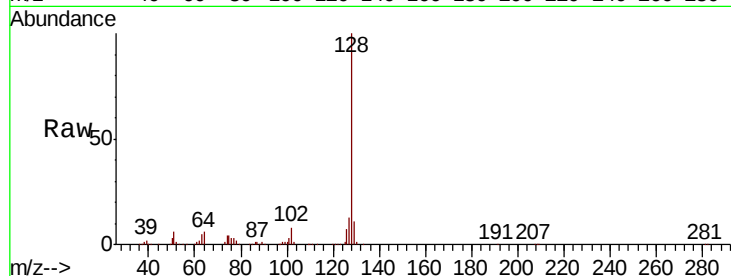
Tot Ion:128 Resp: 337690

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.1 10.6 16.0

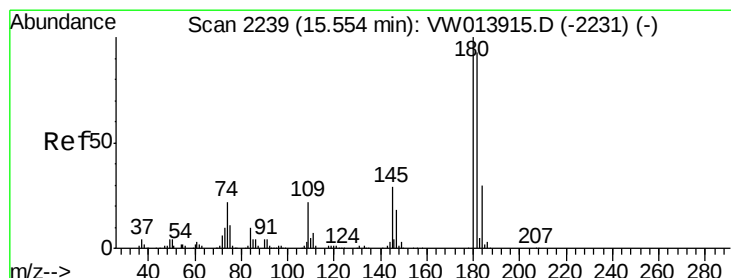
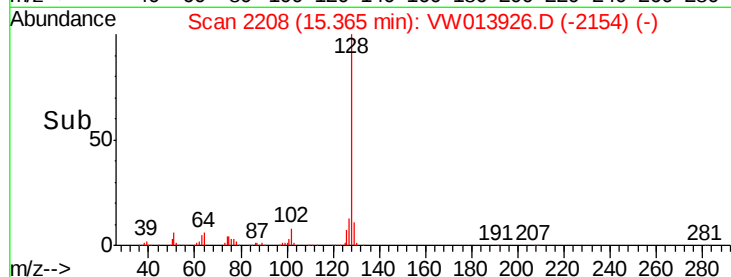
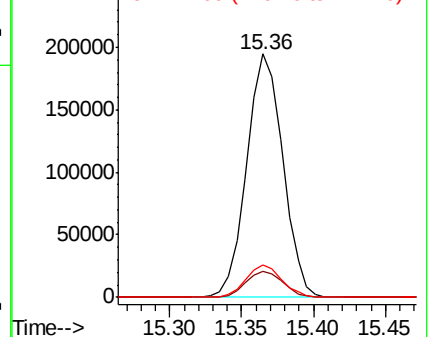


Abundance

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: 21.258 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013926.D

Acq: 06 Nov 2019 16:04

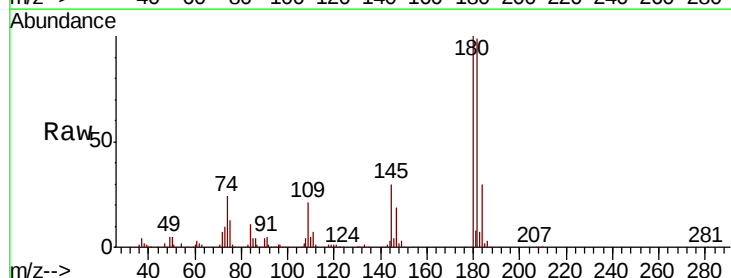
Tgt Ion:180 Resp: 162705

Ion Ratio Lower Upper

180 100

182 94.7 77.0 115.6

145 29.7 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

