

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092719\
 Data File : VW013322.D
 Acq On : 27 Sep 2019 14:52
 Operator : SY/VA
 Sample : MDL07
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

Quant Time: Sep 28 04:29:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 28 03:37:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	430420	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	386359	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	189084	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	133087	25.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.72%
7) Chloroethane-d5	2.88	69	106814	25.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.72%
10) 1,1-Dichloroethene-d2	4.01	63	203915	20.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.72%
20) 2-Butanone-d5	7.08	46	107966	60.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.74%
24) Chloroform-d	7.65	84	245875	25.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.36%
26) 1,2-Dichloroethane-d4	8.31	65	138989	26.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.04%
29) Benzene-d6	8.27	84	542251	25.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.40%
33) 1,2-Dichloropropane-d6	9.27	67	160550	25.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.72%
37) Toluene-d8	10.32	98	509473	25.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.16%
38) trans-1,3-Dichloropropene-	10.58	79	69884	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.52%
39) 2-Hexanone-d5	10.92	63	82619	60.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	146722	27.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	178544	26.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	3842	1.426 ug/L	92
3) Chloromethane	2.21	50	7358	2.039 ug/L	87
5) Vinyl chloride	2.36	62	9624	1.928 ug/L #	73
6) Bromomethane	2.78	94	6247	1.968 ug/L	93
8) Chloroethane	2.92	64	6063m	2.002 ug/L	
9) Trichlorofluoromethane	3.25	101	4563	1.475 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	11897m	2.433 ug/L	
12) 1,1-Dichloroethene	4.04	96	10408	2.098 ug/L #	1
13) Acetone	4.13	43	10575	7.163 ug/L	94
14) Carbon disulfide	4.38	76	24328	1.727 ug/L	96
15) Methyl Acetate	4.67	43	5855m	2.055 ug/L	
16) Methylene chloride	4.90	84	18228m	2.835 ug/L	
17) Methyl tert-butyl Ether	5.42	73	16609	1.935 ug/L #	86
18) trans-1,2-Dichloroethene	5.42	96	10209	1.924 ug/L	93
19) 1,1-Dichloroethane	6.21	63	18280	1.964 ug/L	97
21) 2-Butanone	7.18	43	11673	5.489 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	11481	1.986 ug/L	95

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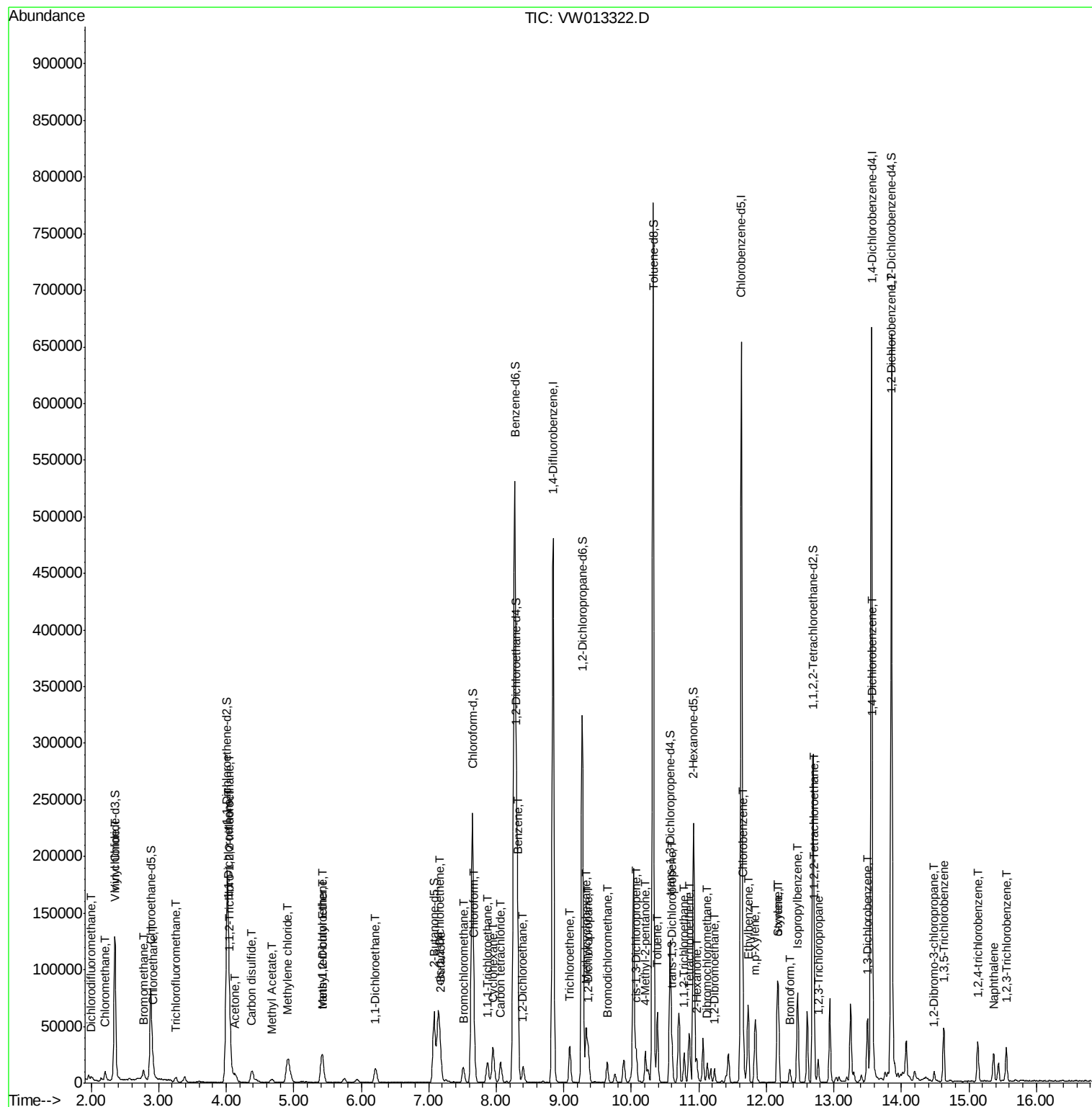
23) Bromochloromethane	7.52	128	4904m	1.885	ug/L	
25) Chloroform	7.68	83	18853	2.062	ug/L	83
27) 1,2-Dichloroethane	8.40	62	12386	2.068	ug/L	96
30) Cyclohexane	7.95	56	16557	1.784	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	14732	1.987	ug/L	97
32) Carbon tetrachloride	8.07	117	13468	1.905	ug/L	97
34) Benzene	8.32	78	41729	1.927	ug/L	100
35) Trichloroethene	9.09	95	10776	1.894	ug/L	96
36) Methylcyclohexane	9.33	83	18366	1.812	ug/L	94
40) 1,2-Dichloropropane	9.37	63	10391	1.950	ug/L #	95
41) Bromodichloromethane	9.64	83	12547	1.919	ug/L #	96
42) cis-1,3-Dichloropropene	10.07	75	16448	1.932	ug/L	93
43) 4-Methyl-2-pentanone	10.21	43	20367	4.992	ug/L	96
44) Toluene	10.38	91	47295	2.006	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	14536m	2.124	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	8111	1.943	ug/L	95
47) Tetrachloroethene	10.86	164	9859	1.925	ug/L	97
49) 2-Hexanone	10.97	43	12720	4.338	ug/L	96
50) Dibromochloromethane	11.13	129	9164	1.913	ug/L	94
51) 1,2-Dibromoethane	11.23	107	8174	1.993	ug/L #	94
52) Chlorobenzene	11.66	112	28875	1.943	ug/L	98
53) Ethylbenzene	11.73	91	49916	1.909	ug/L	97
54) m,p-Xylene	11.83	106	19195	1.912	ug/L	92
55) o-xylene	12.16	106	17657	1.864	ug/L	83
56) Styrene	12.18	104	29264	1.802	ug/L	98
57) Isopropylbenzene	12.46	105	46516	1.816	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	11831	2.300	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	8335	2.171	ug/L	99
62) Bromoform	12.35	173	5632	1.883	ug/L #	95
63) 1,3-Dichlorobenzene	13.50	146	22692	1.950	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	23490	1.998	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	21597	2.040	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.49	75	1684	2.020	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.63	180	16189	1.807	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	12155	1.700	ug/L	99
69) Naphthalene	15.36	128	20769	1.520	ug/L #	95
70) 1,2,3-Trichlorobenzene	15.55	180	11454	1.761	ug/L #	93

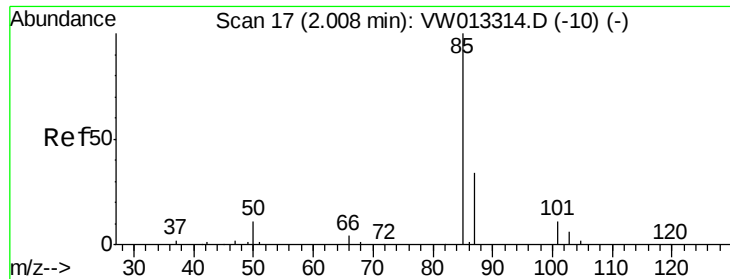
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.426 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

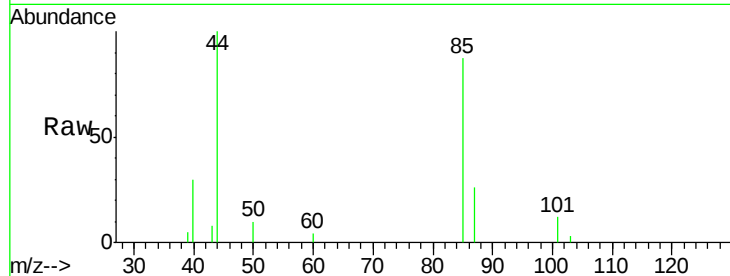
MDL07

Tot Ion: 85 Resp: 3842

Ion Ratio Lower Upper

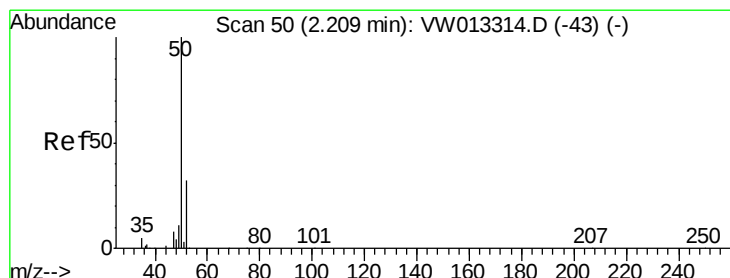
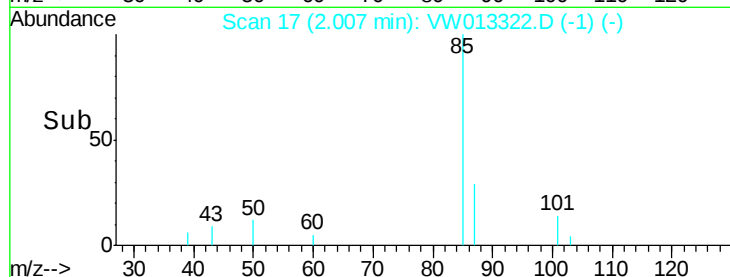
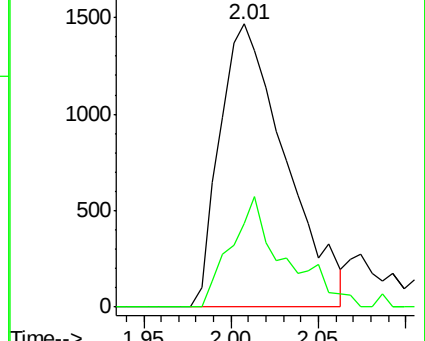
85 100

87 26.1 21.3 39.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 2.039 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013322.D

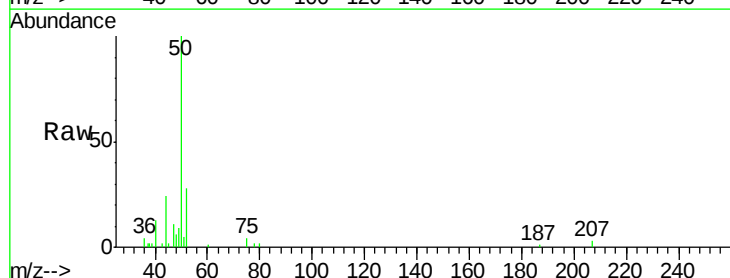
Acq: 27 Sep 2019 14:52

Tgt Ion: 50 Resp: 7358

Ion Ratio Lower Upper

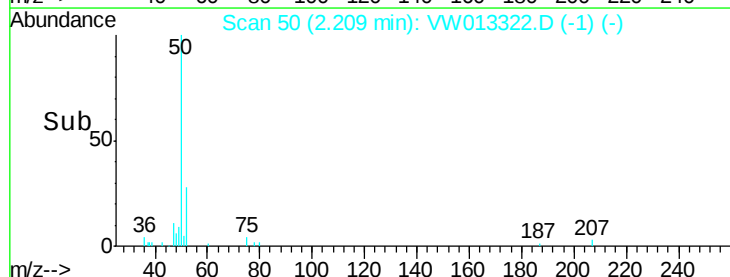
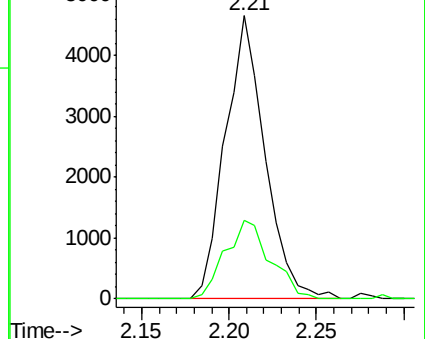
50 100

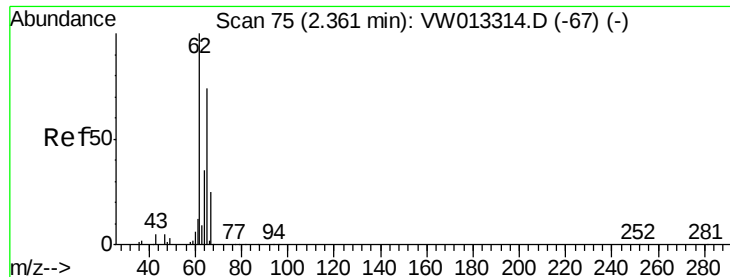
52 27.6 24.4 45.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 1.928 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

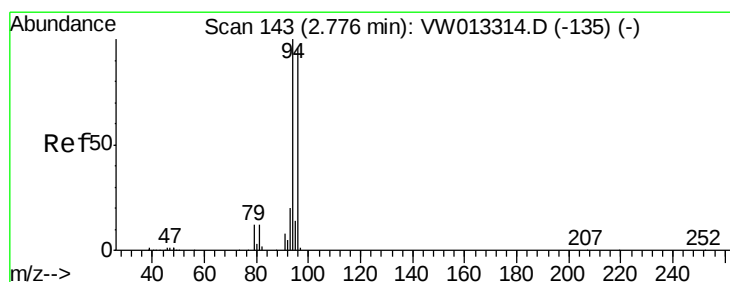
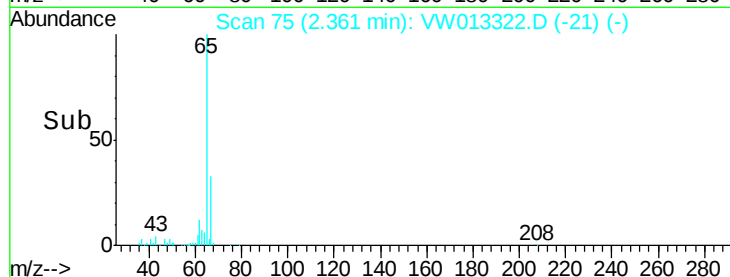
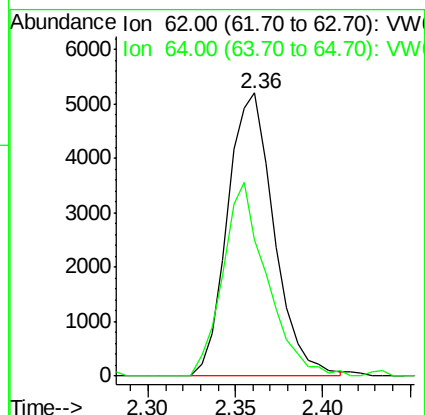
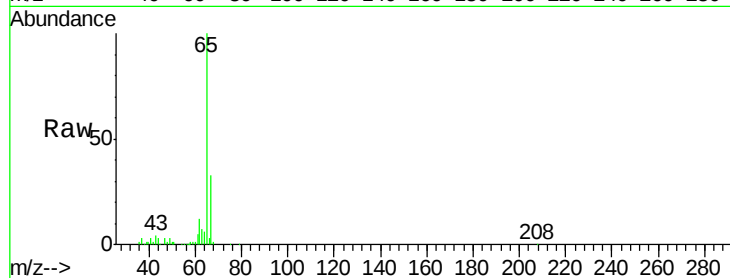
MDL07

Tot Ion: 62 Resp: 9624

Ion Ratio Lower Upper

62 100

64 48.2 23.2 43.0#



#6

Bromomethane

Concen: 1.968 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013322.D

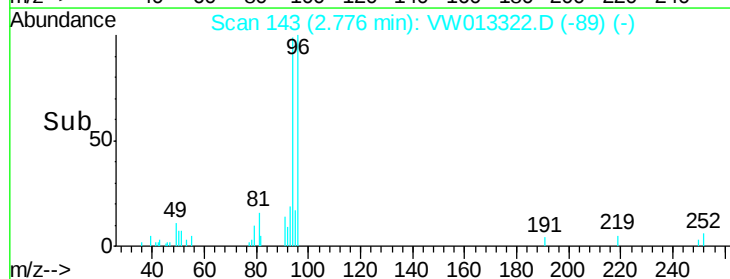
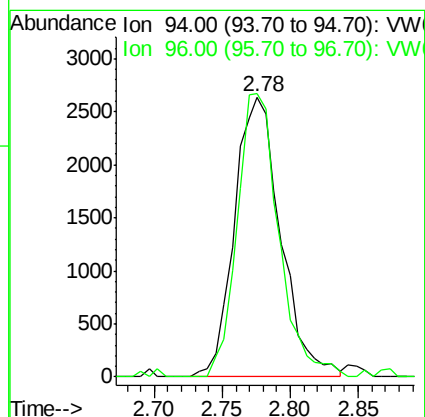
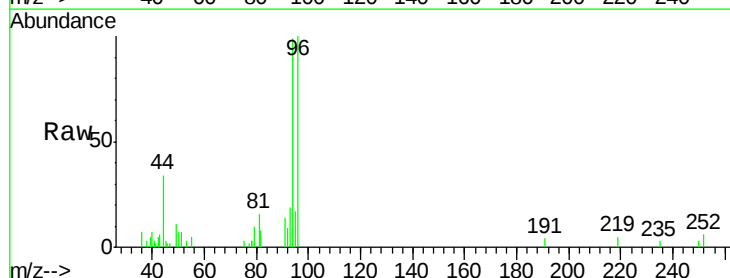
Acq: 27 Sep 2019 14:52

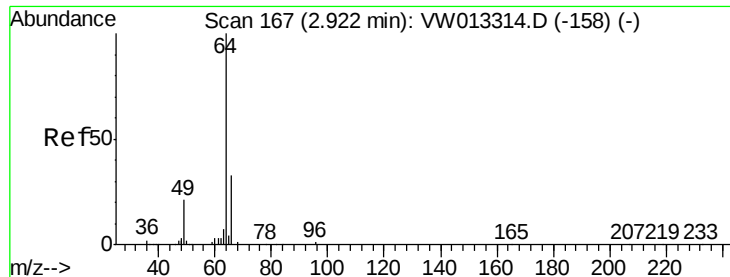
Tgt Ion: 94 Resp: 6247

Ion Ratio Lower Upper

94 100

96 90.6 9.7 184.3





#8

Chloroethane

Concen: 2.002 ug/L m

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

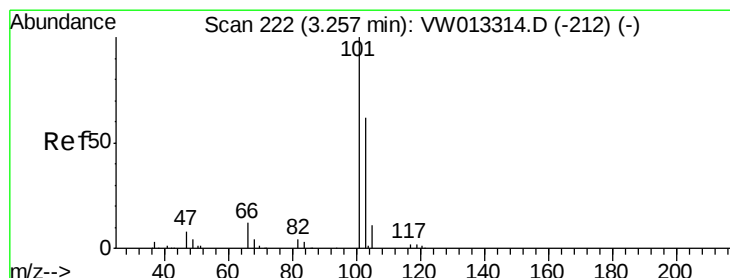
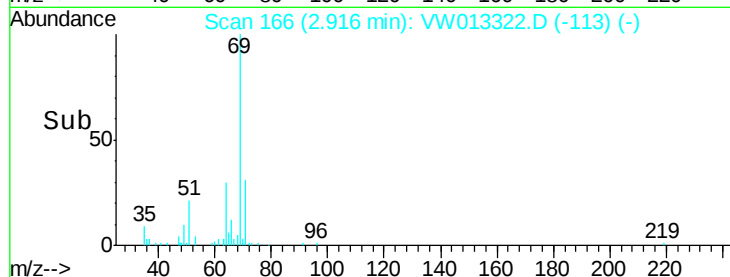
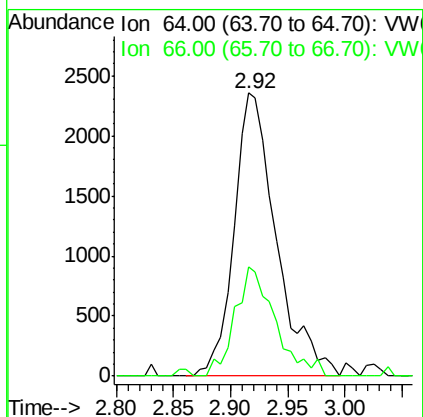
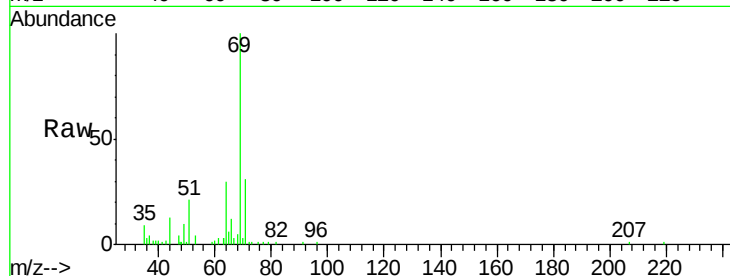
MDL07

Tot Ion: 64 Resp: 6063

Ion Ratio Lower Upper

64 100

66 38.5 22.7 42.1



#9

Trichlorofluoromethane

Concen: 1.475 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013322.D

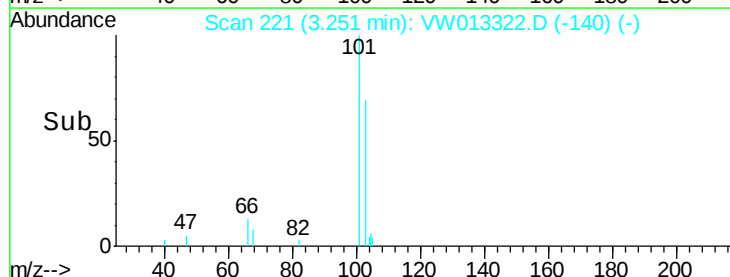
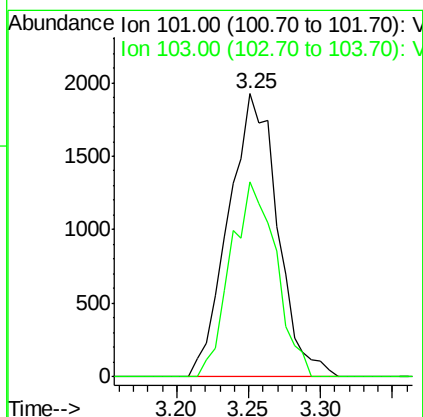
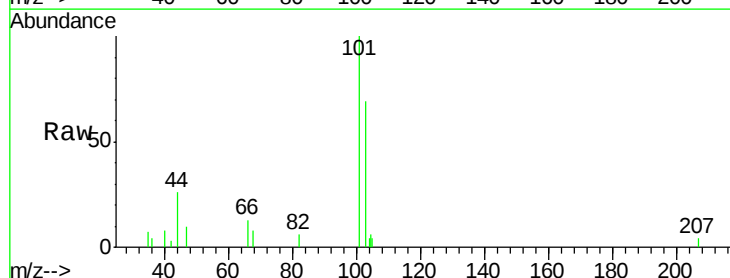
Acq: 27 Sep 2019 14:52

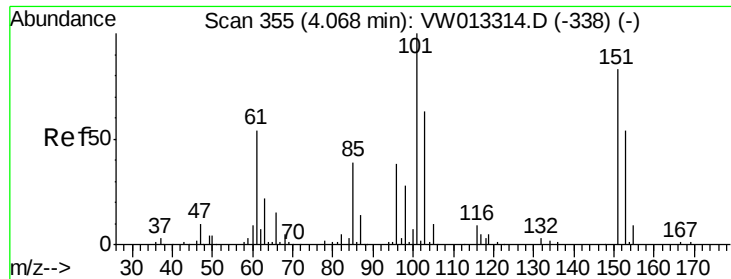
Tgt Ion: 101 Resp: 4563

Ion Ratio Lower Upper

101 100

103 63.8 45.2 84.0





#11

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

Concen: 2.433 ug/L m

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampled :

MDL07

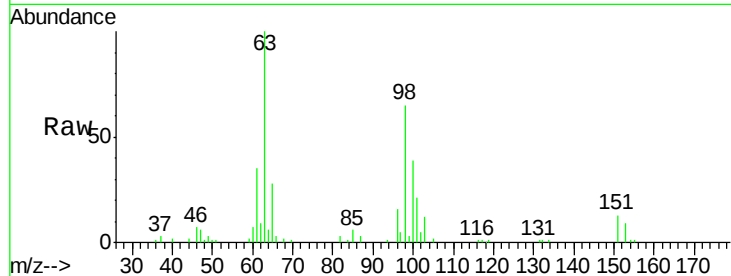
Tot Ion:101 Resp: 11897

Ion Ratio Lower Upper

101 100

85 24.2 31.8 47.8#

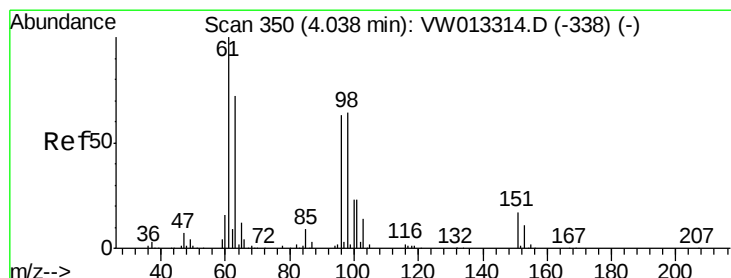
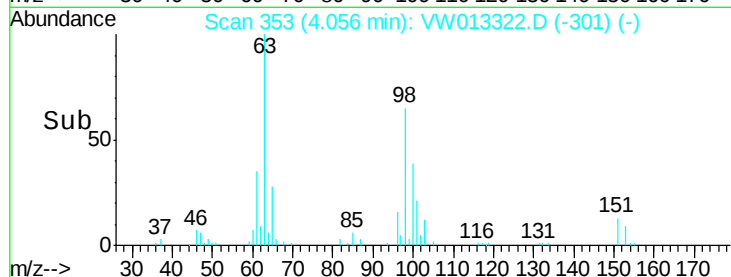
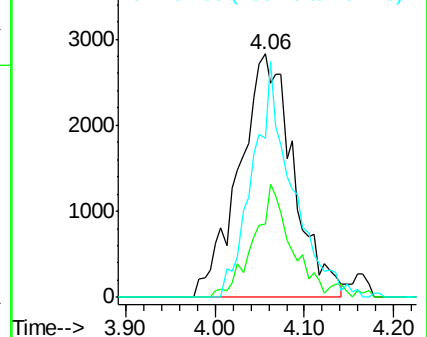
151 32.9 65.4 98.0#



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: 2.098 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

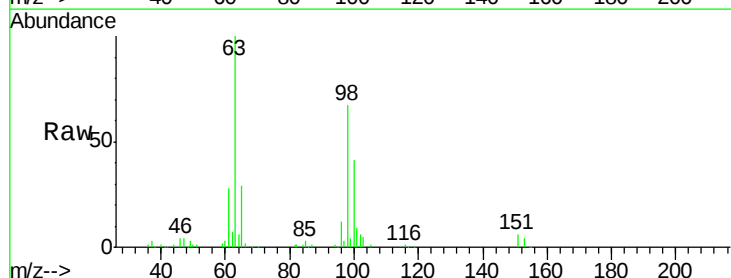
Tgt Ion: 96 Resp: 10408

Ion Ratio Lower Upper

96 100

61 237.3 115.9 215.3#

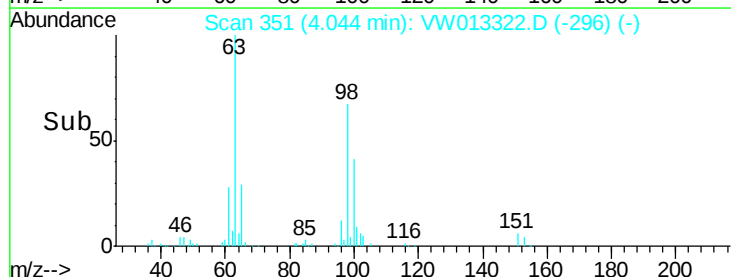
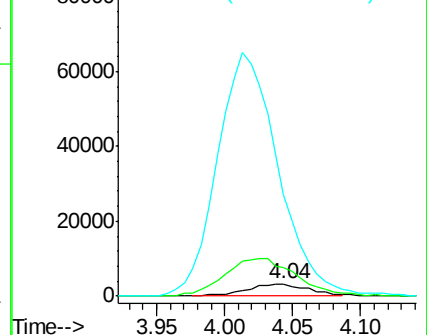
63 833.4 88.9 165.1#

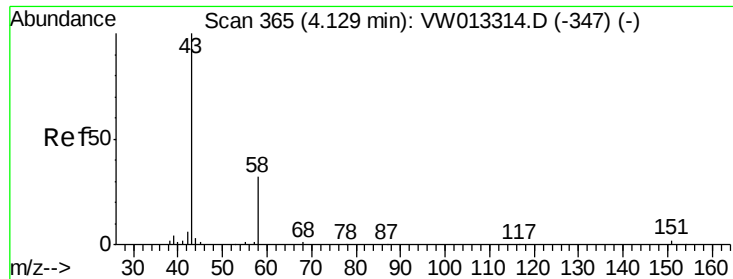


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 7.163 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

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Acq: 27 Sep 2019 14:52

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ClientSampleId :

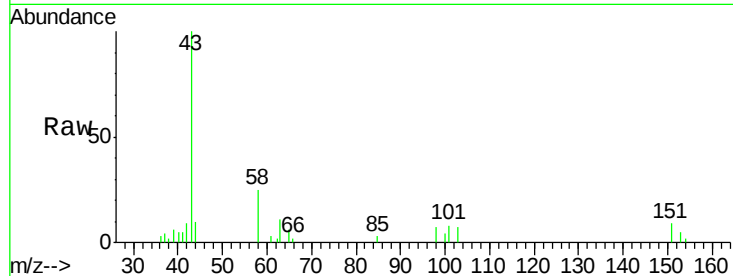
MDL07

Tot Ion: 43 Resp: 10575

Ion Ratio Lower Upper

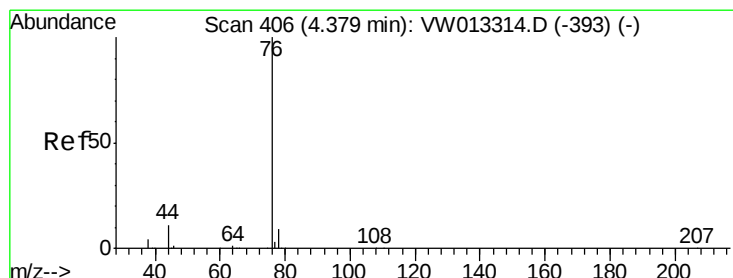
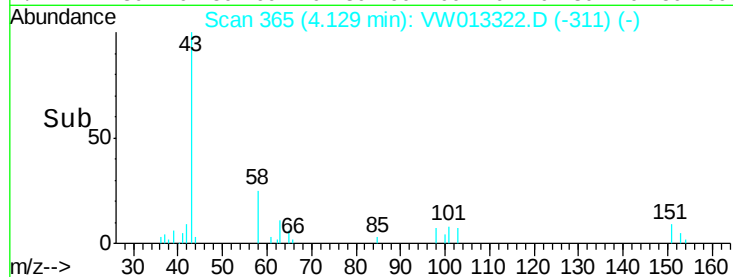
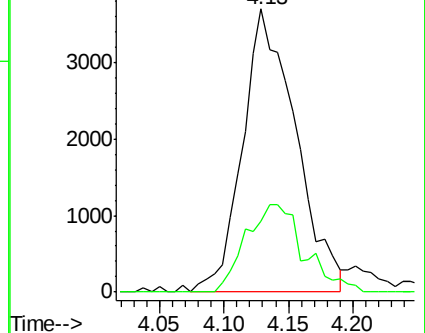
43 100

58 28.2 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.727 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013322.D

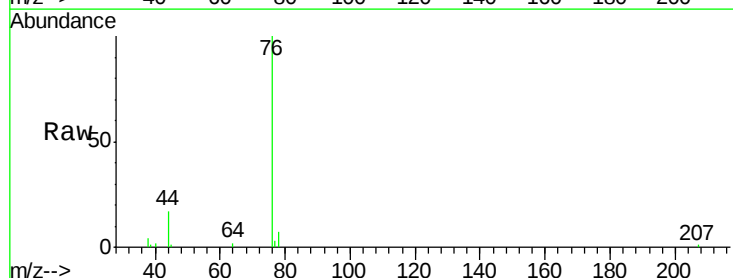
Acq: 27 Sep 2019 14:52

Tgt Ion: 76 Resp: 24328

Ion Ratio Lower Upper

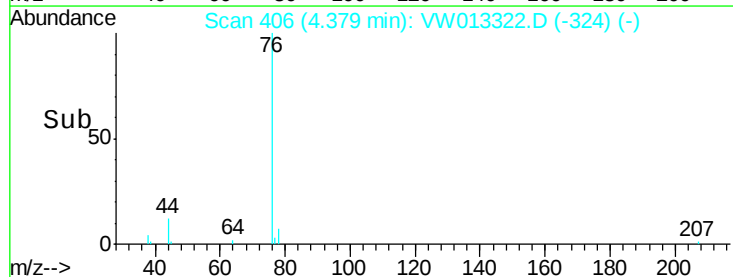
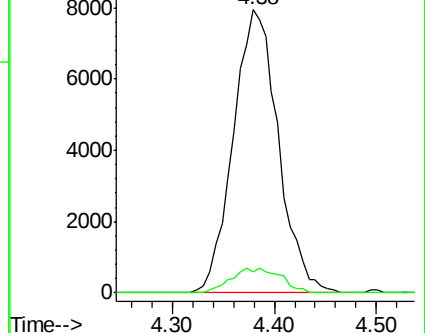
76 100

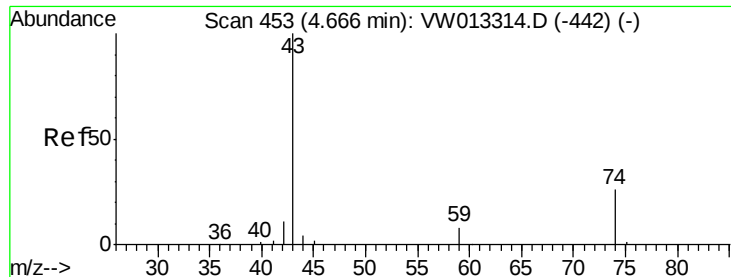
78 7.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 2.055 ug/L m

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

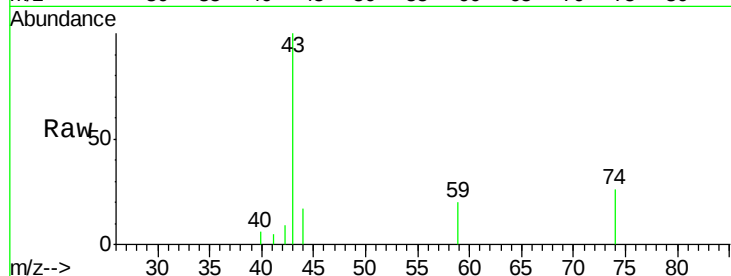
MDL07

Tot Ion: 43 Resp: 5855

Ion Ratio Lower Upper

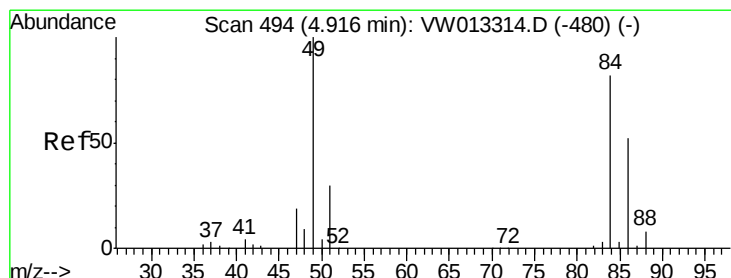
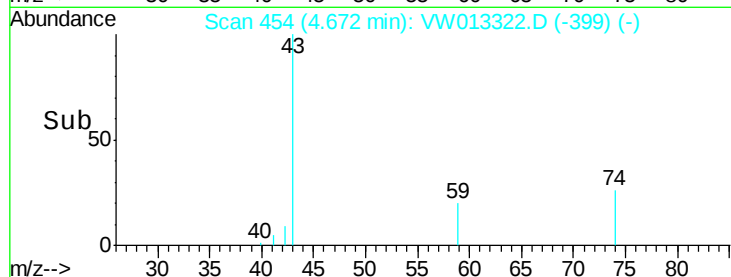
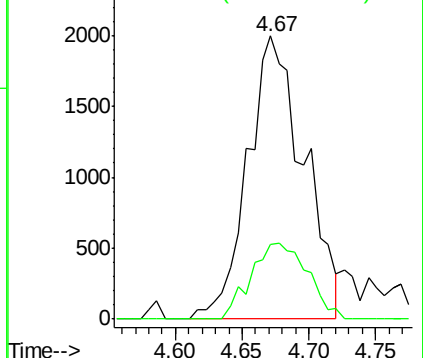
43 100

74 27.0 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 2.835 ug/L m

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

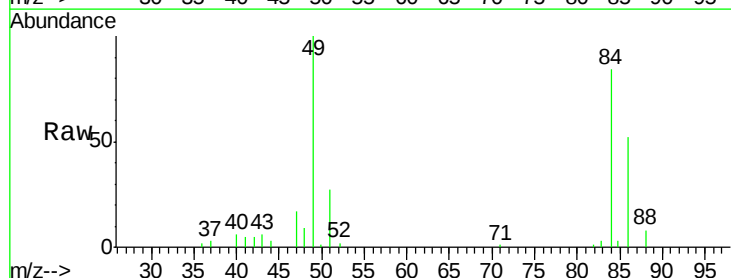
Tgt Ion: 84 Resp: 18228

Ion Ratio Lower Upper

84 100

49 119.7 84.8 157.4

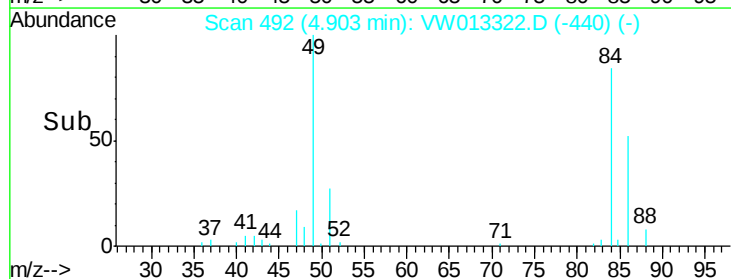
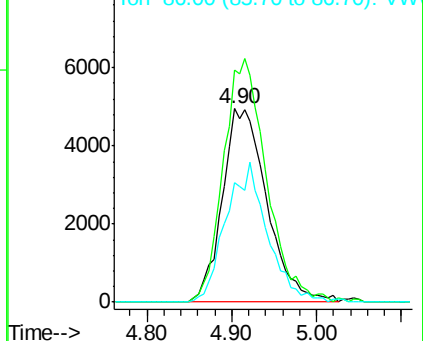
86 61.8 44.0 81.6

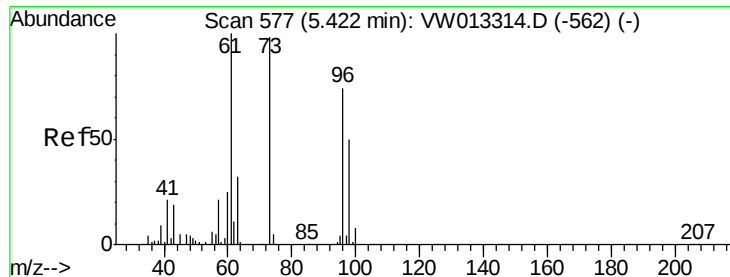


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

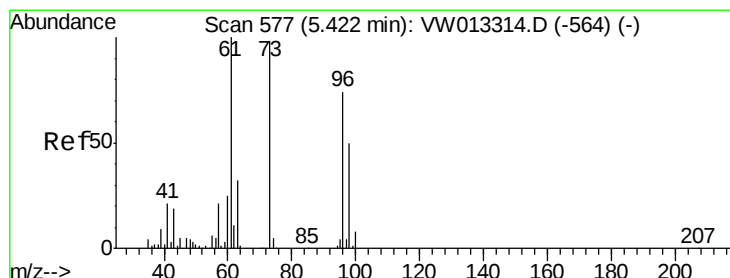
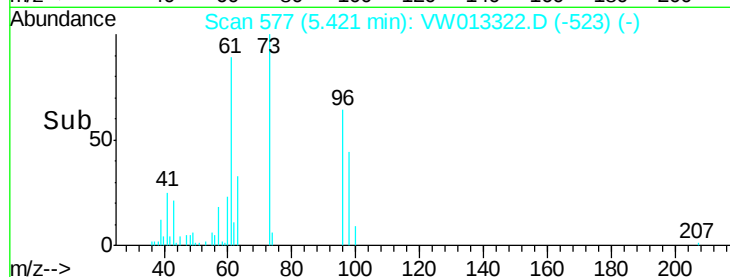
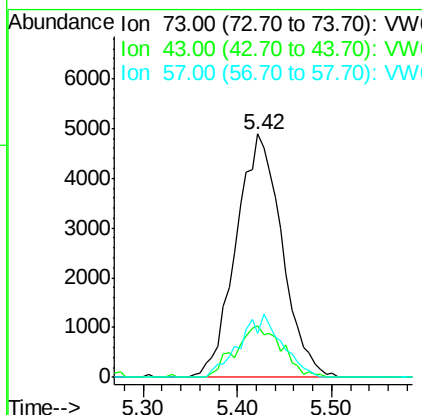
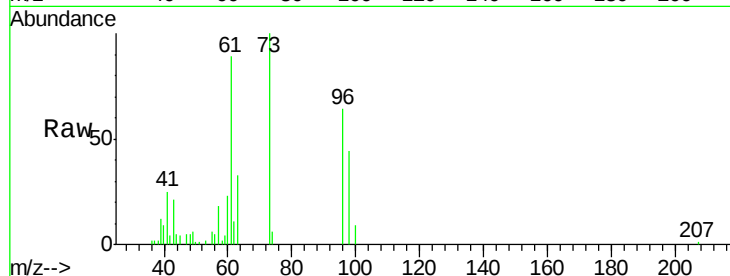




#17
Methvl tert-butvl Ether
Concen: 1.935 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013322.D
Acq: 27 Sep 2019 14:52

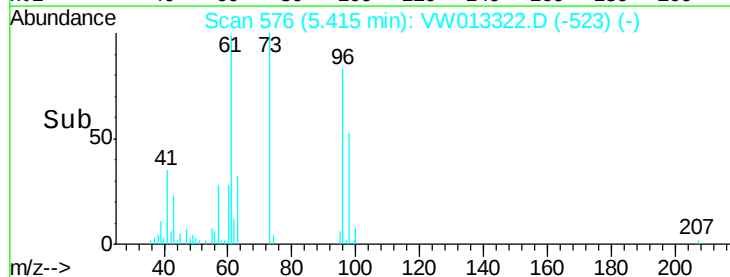
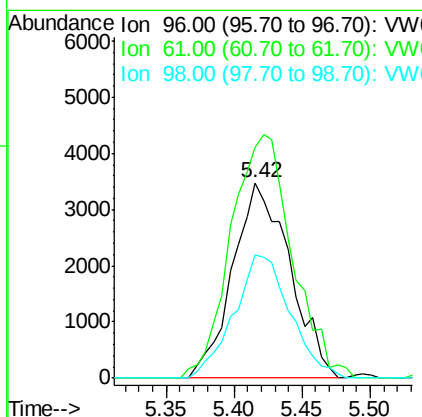
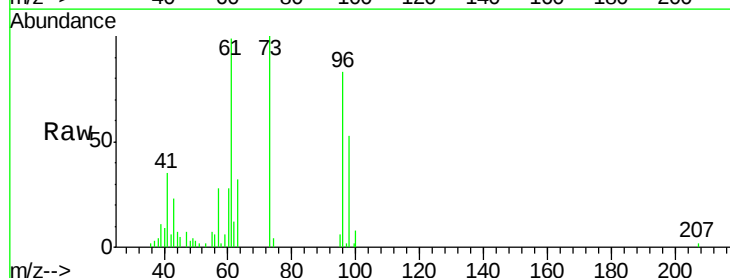
Instrument :
MSVOA_W
ClientSampleId :
MDL07

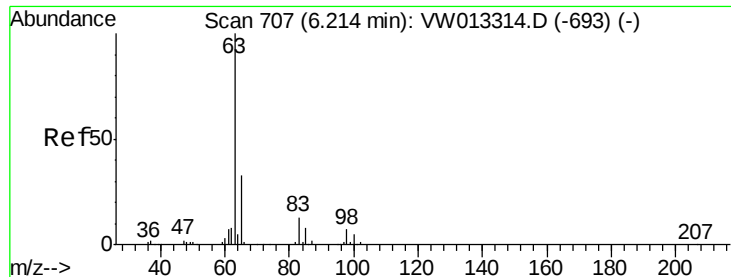
Tot Ion: 73 Resp: 16609
Ion Ratio Lower Upper
73 100
43 17.3 15.3 22.9
57 12.3 18.2 27.4#



#18
trans-1,2-Dichloroethene
Concen: 1.924 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013322.D
Acq: 27 Sep 2019 14:52

Tgt Ion: 96 Resp: 10209
Ion Ratio Lower Upper
96 100
61 118.4 91.2 169.4
98 63.0 44.7 82.9

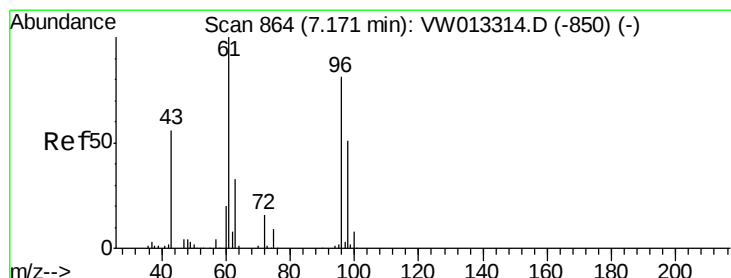
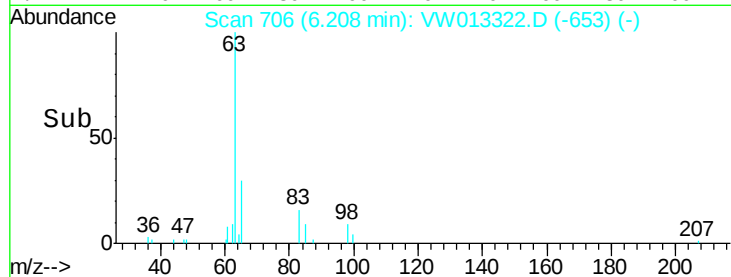
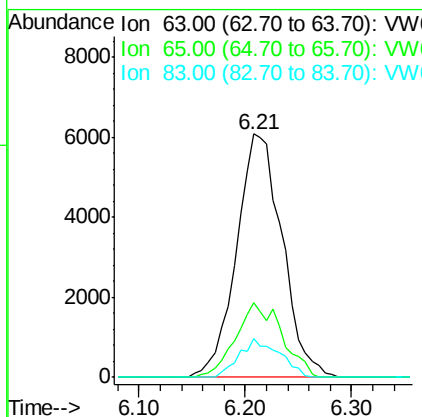
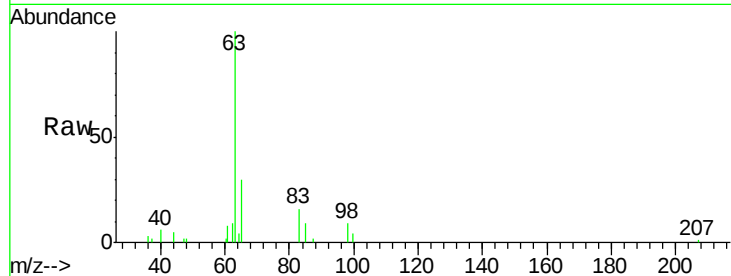




#19
 1,1-Dichloroethane
 Concen: 1.964 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013322.D
 Acq: 27 Sep 2019 14:52

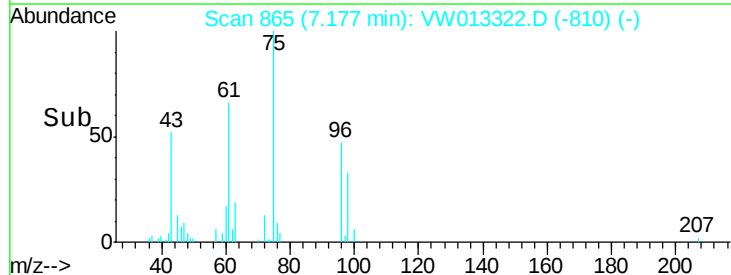
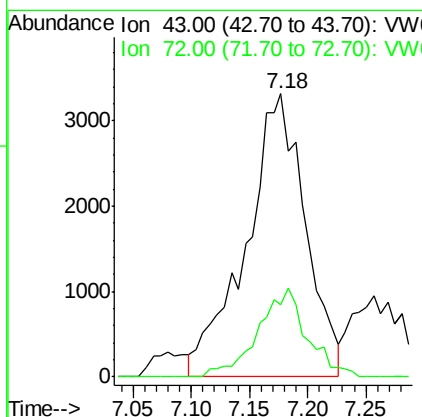
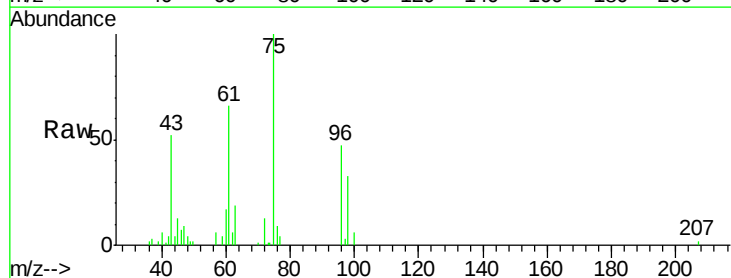
Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

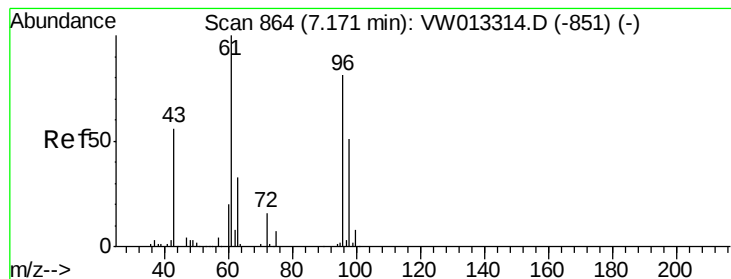
Tot Ion: 63 Resp: 18280
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.8 40.4
 83 15.7 9.3 17.3



#21
 2-Butanone
 Concen: 5.489 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW013322.D
 Acq: 27 Sep 2019 14:52

Tgt Ion: 43 Resp: 11673
 Ion Ratio Lower Upper
 43 100
 72 25.3 13.2 39.6



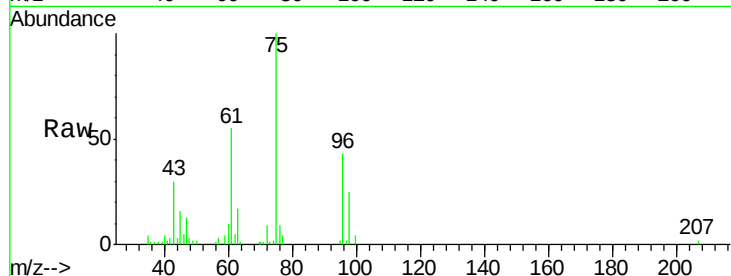


#22

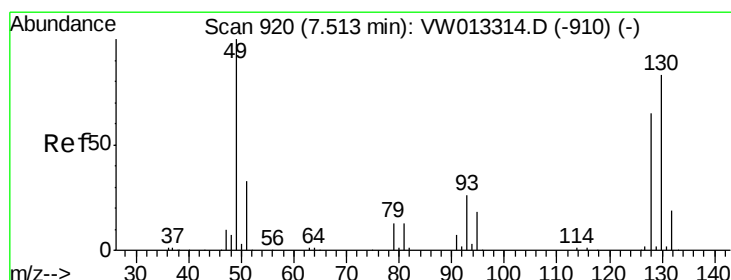
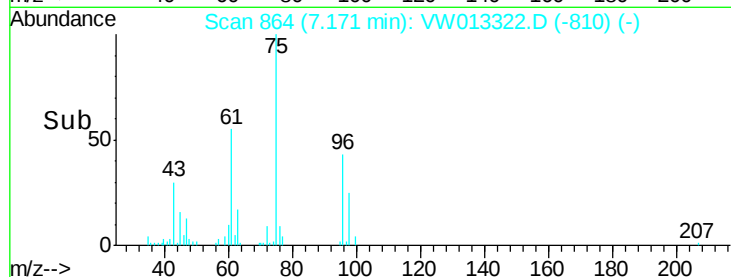
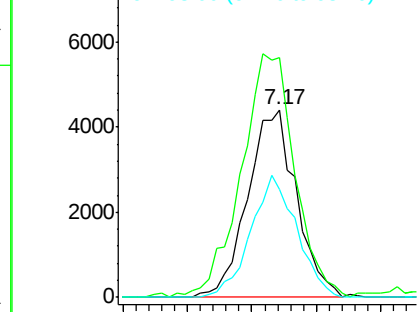
cis-1,2-Dichloroethene
Concen: 1.986 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW013322.D
Acq: 27 Sep 2019 14:52

Instrument :
MSVOA_W
ClientSampleId :
MDL07

Tot Ion: 96 Resp: 11481
Ion Ratio Lower Upper
96 100
61 127.7 86.0 159.6
98 57.2 43.5 80.9



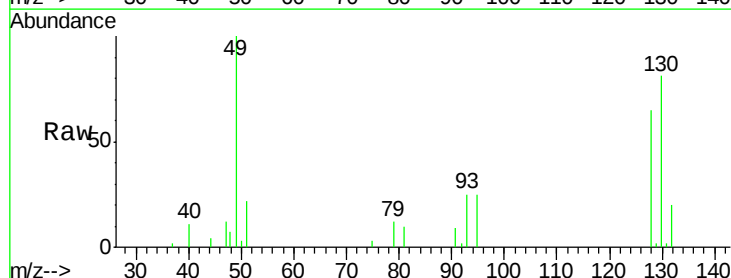
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



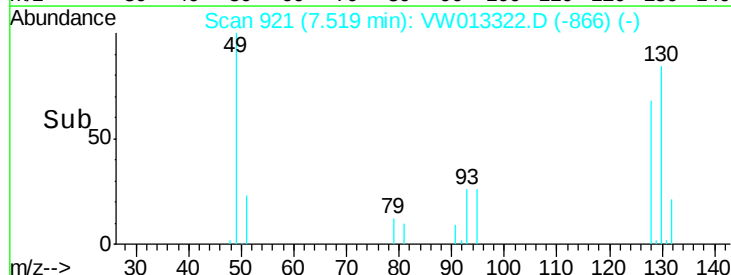
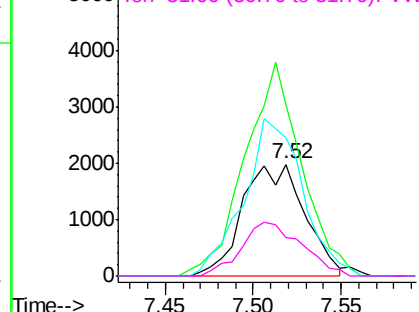
#23

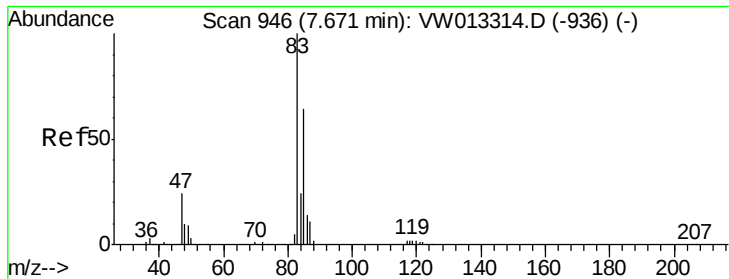
Bromochloromethane
Concen: 1.885 ug/L m
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW013322.D
Acq: 27 Sep 2019 14:52

Tgt Ion: 128 Resp: 4904
Ion Ratio Lower Upper
128 100
49 153.1 114.6 212.8
130 123.7 92.6 172.0
51 34.3 42.7 64.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 2.062 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

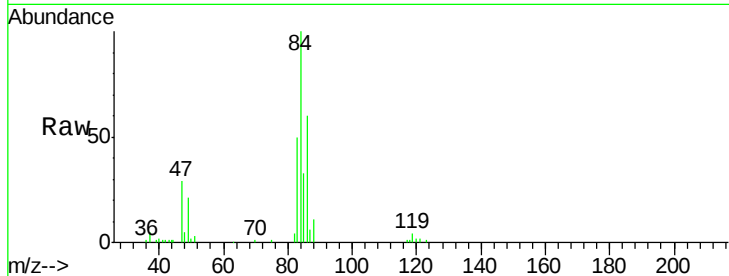
MDL07

Tot Ion: 83 Resp: 18853

Ion Ratio Lower Upper

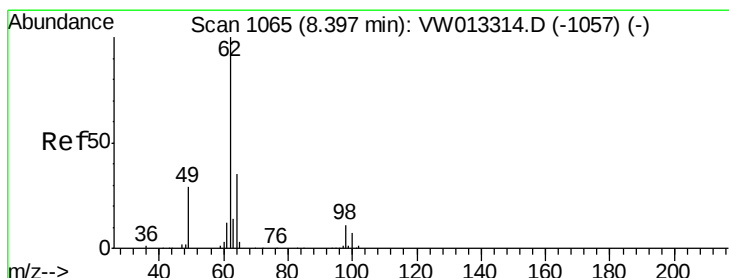
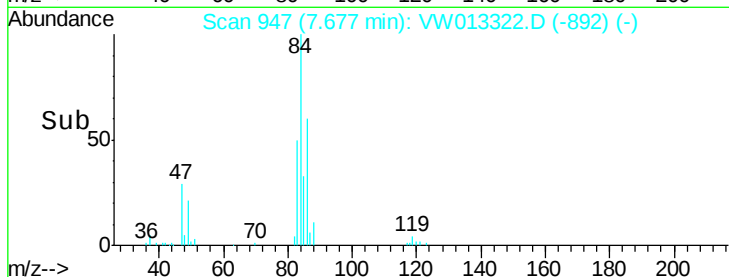
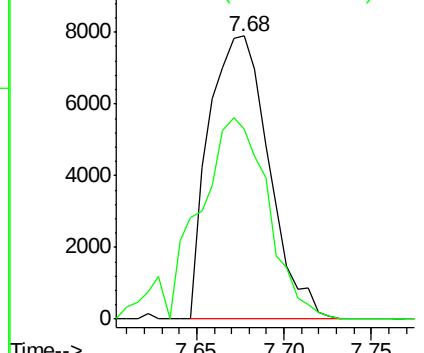
83 100

85 79.3 45.9 85.3



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 2.068 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013322.D

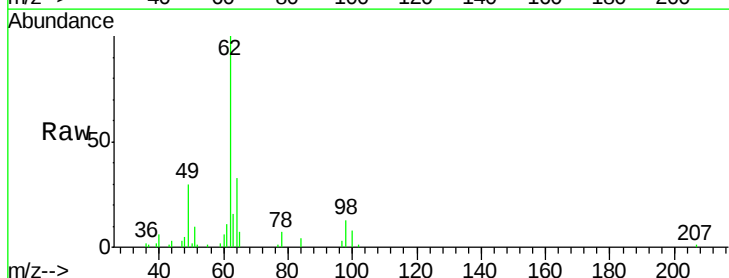
Acq: 27 Sep 2019 14:52

Tgt Ion: 62 Resp: 12386

Ion Ratio Lower Upper

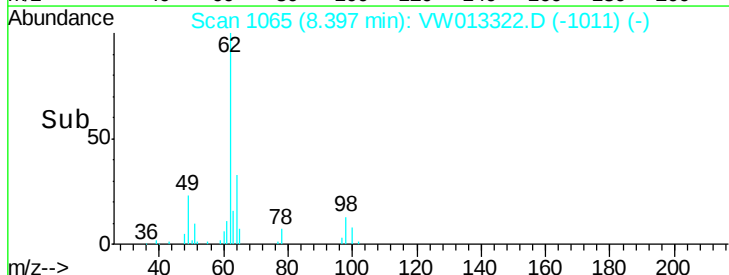
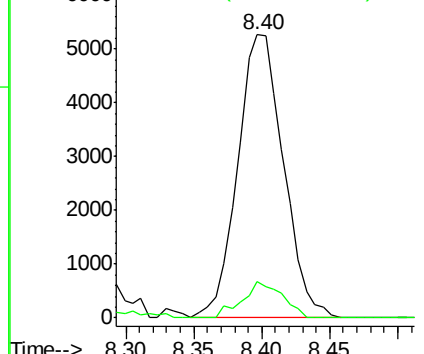
62 100

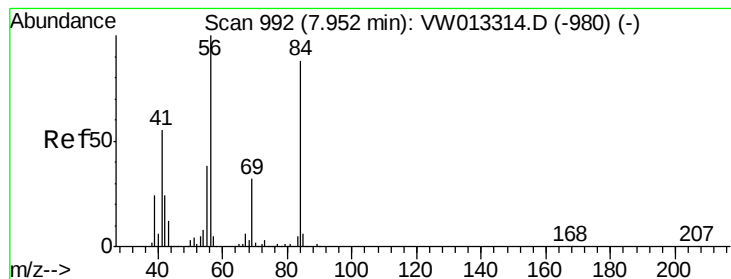
98 12.9 9.0 13.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 1.784 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampled :

MDL07

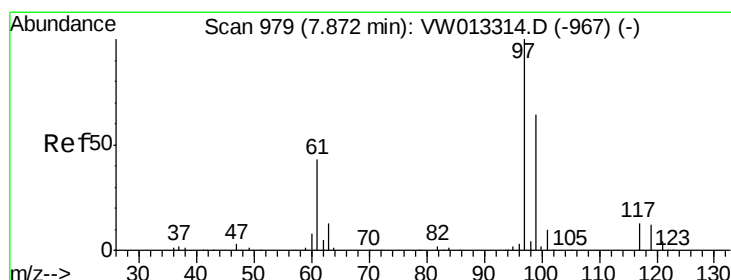
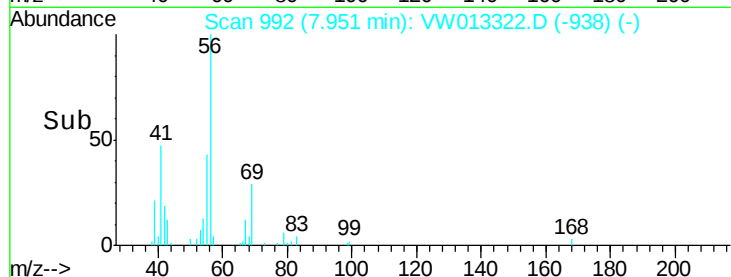
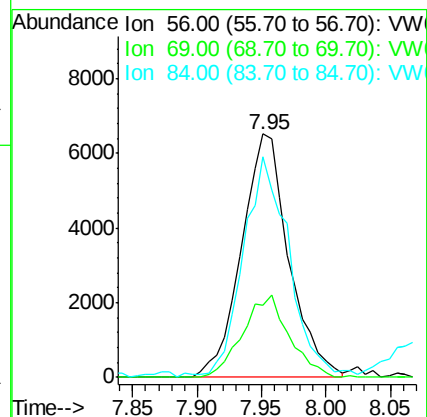
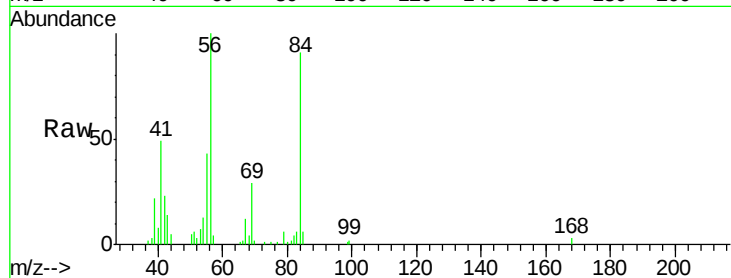
Tot Ion: 56 Resp: 16557

Ion Ratio Lower Upper

56 100

69 33.0 24.6 37.0

84 87.1 69.5 104.3



#31

1,1,1-Trichloroethane

Concen: 1.987 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

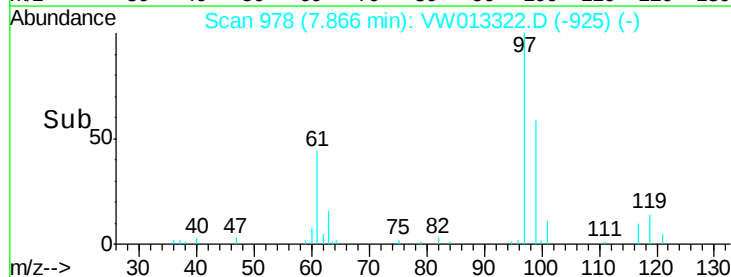
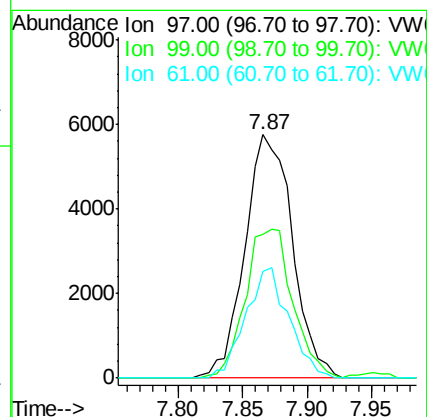
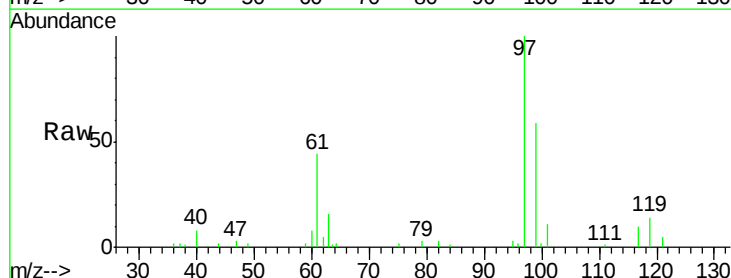
Tgt Ion: 97 Resp: 14732

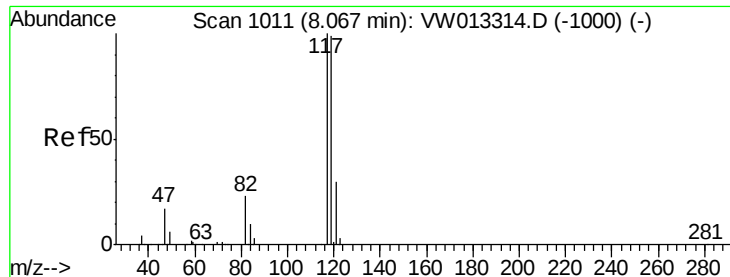
Ion Ratio Lower Upper

97 100

99 61.1 50.6 75.8

61 41.1 34.2 51.2





#32

Carbon tetrachloride

Concen: 1.905 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampled :

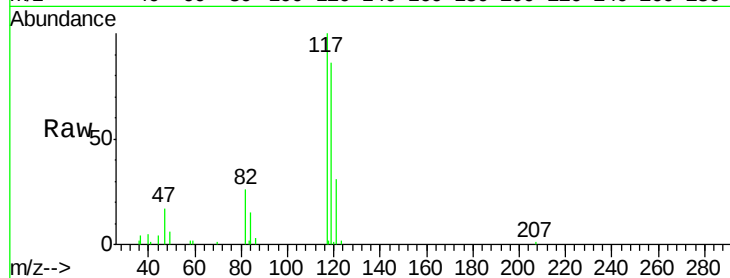
MDL07

Tot Ion:117 Resp: 13468

Ion Ratio Lower Upper

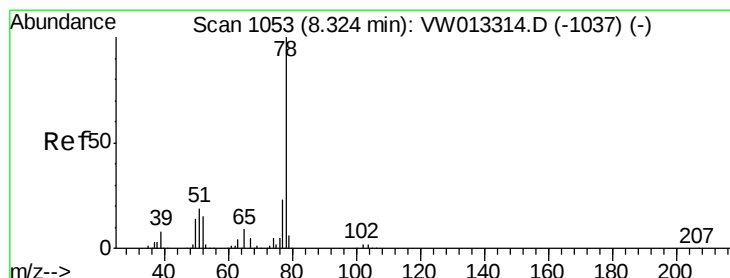
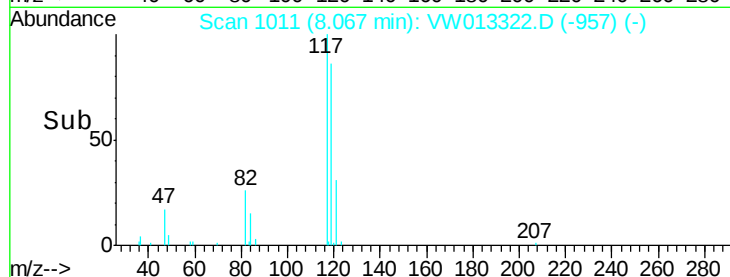
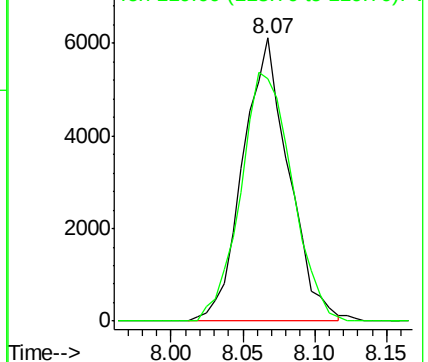
117 100

119 99.1 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 1.927 ug/L

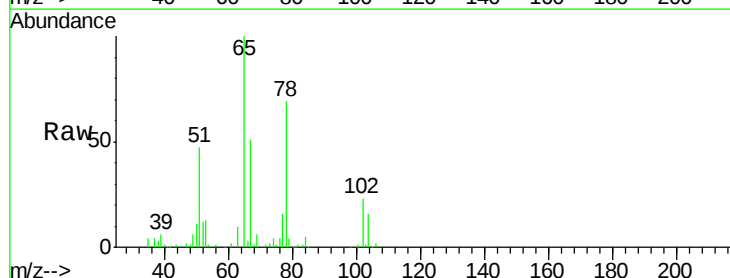
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

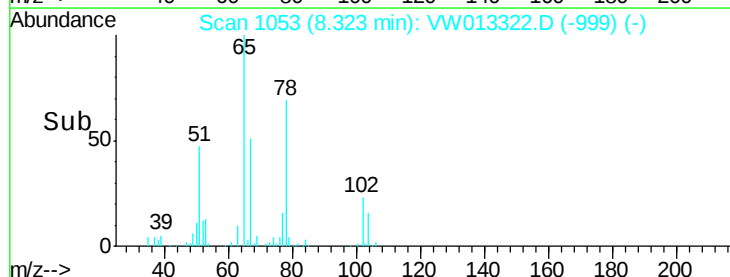
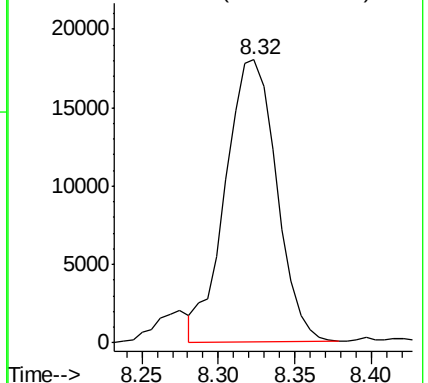
Lab File: VW013322.D

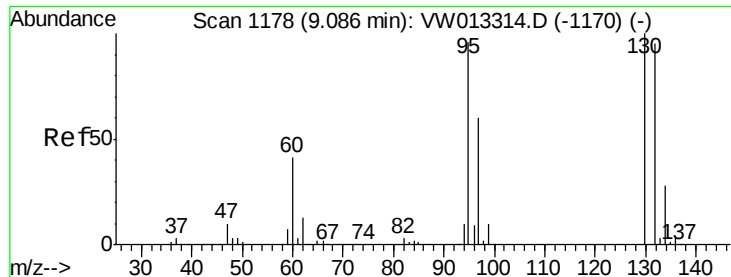
Acq: 27 Sep 2019 14:52

Tgt Ion: 78 Resp: 41729



Abundance Ion 78.00 (77.70 to 78.70): VW

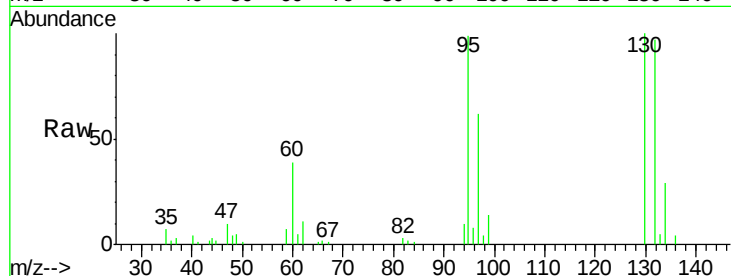




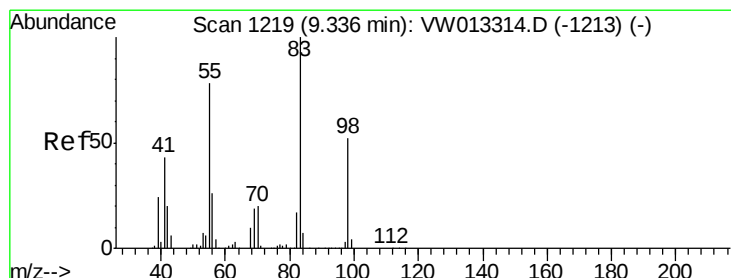
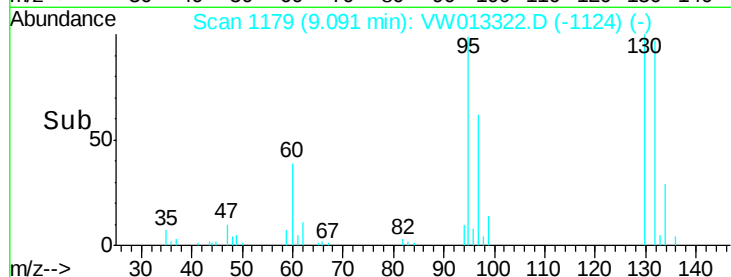
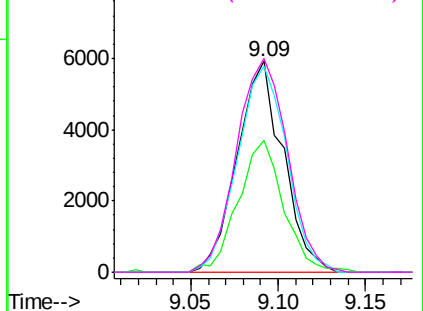
#35
 Trichloroethene
 Concen: 1.894 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW013322.D
 Acq: 27 Sep 2019 14:52

Instrument :
 MSVOA_W
 ClientSampled :
 MDL07

Tot Ion: 95 Resp: 10776
 Ion Ratio Lower Upper
 95 100
 97 61.9 44.3 82.3
 132 105.6 71.7 133.3
 130 113.0 74.1 137.7

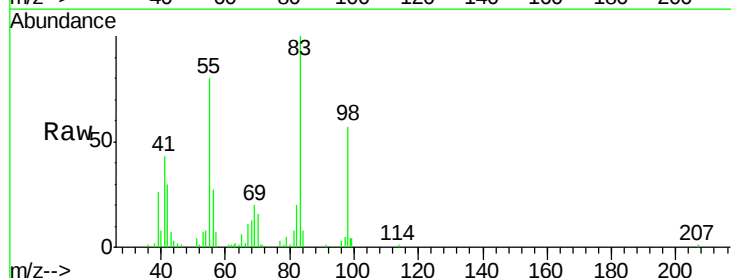


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

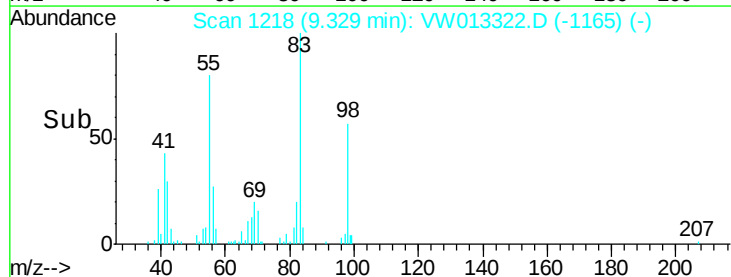
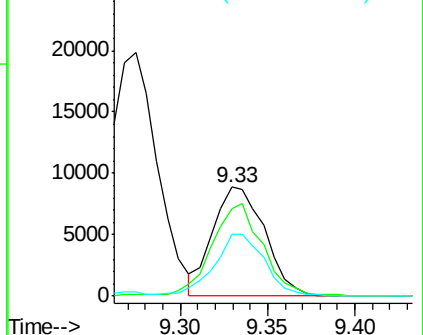


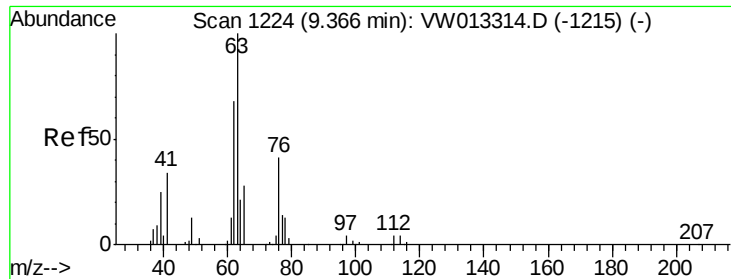
#36
 Methylcyclohexane
 Concen: 1.812 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW013322.D
 Acq: 27 Sep 2019 14:52

Tgt Ion: 83 Resp: 18366
 Ion Ratio Lower Upper
 83 100
 55 82.4 61.8 92.6
 98 54.4 39.6 59.4



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

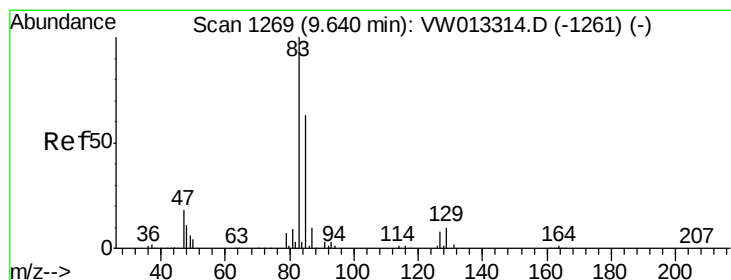
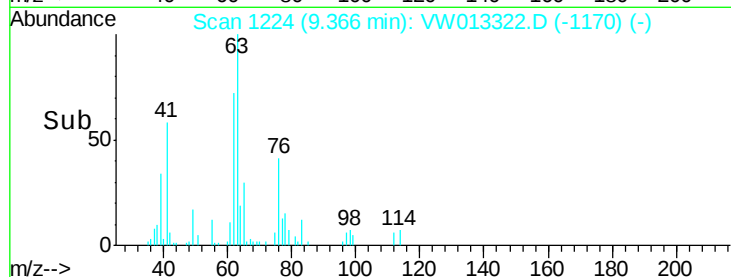
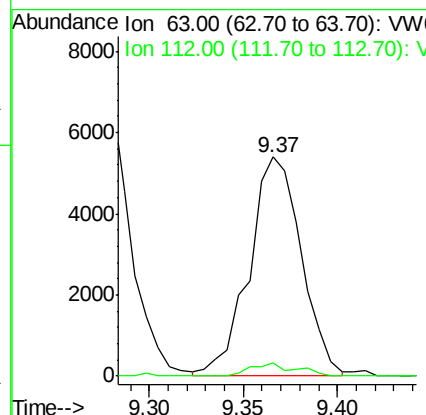
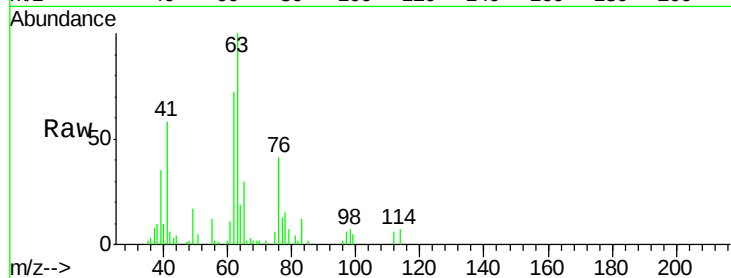




#40
 1,2-Dichloropropane
 Concen: 1.950 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013322.D
 Acq: 27 Sep 2019 14:52

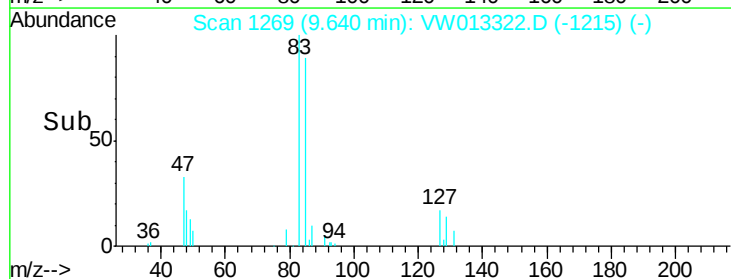
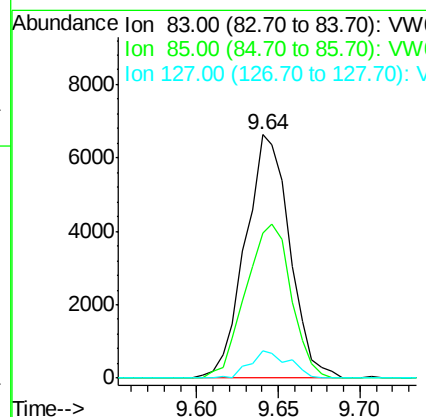
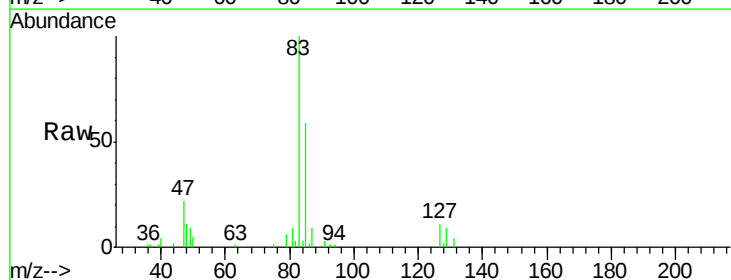
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

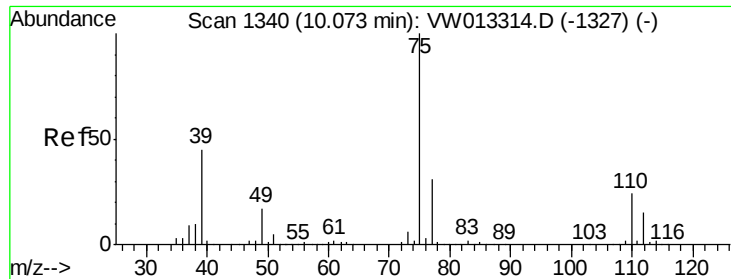
Tot Ion: 63 Resp: 10391
 Ion Ratio Lower Upper
 63 100
 112 3.4 4.1 6.1#



#41
 Bromodichloromethane
 Concen: 1.919 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW013322.D
 Acq: 27 Sep 2019 14:52

Tgt Ion: 83 Resp: 12547
 Ion Ratio Lower Upper
 83 100
 85 59.5 43.8 81.4
 127 11.1 7.0 10.6#





#42

cis-1,3-Dichloropropene

Concen: 1.932 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

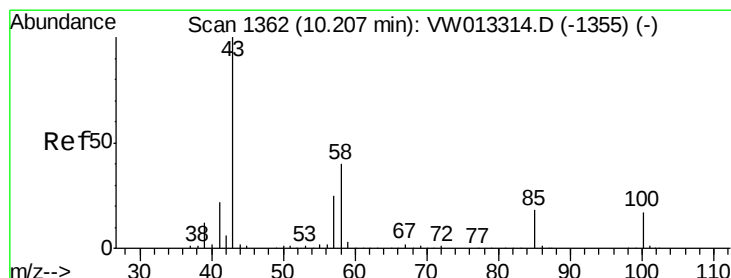
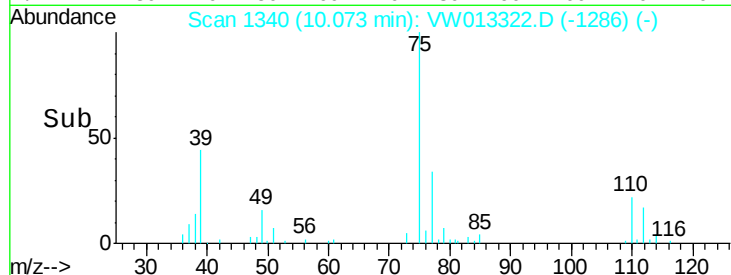
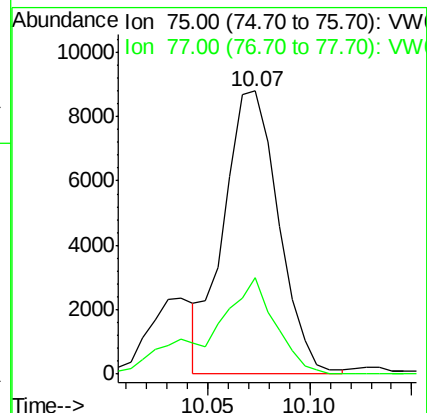
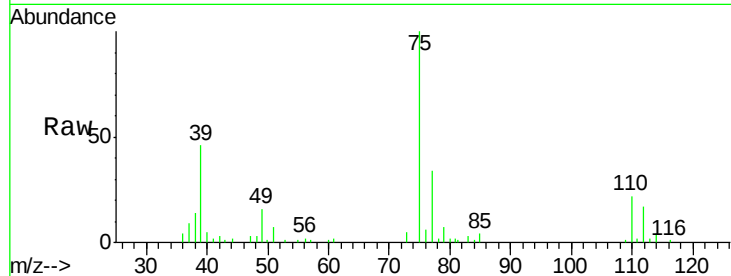
MDL07

Tot Ion: 75 Resp: 16448

Ion Ratio Lower Upper

75 100

77 34.3 21.3 39.5



#43

4-Methyl-2-pentanone

Concen: 4.992 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

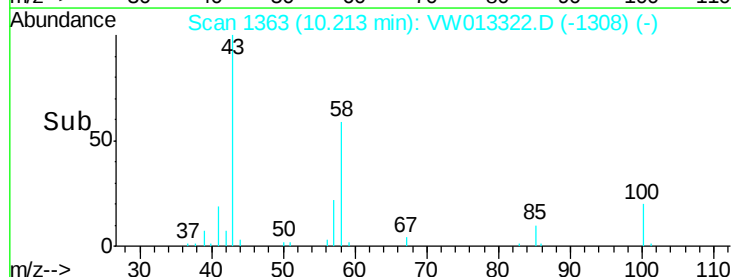
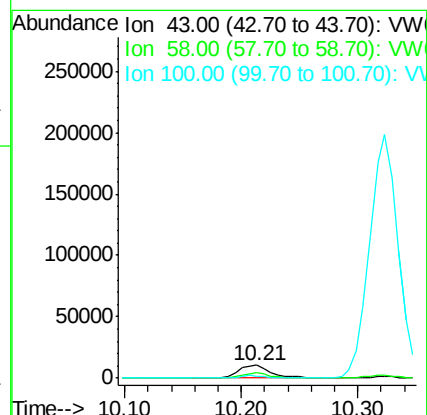
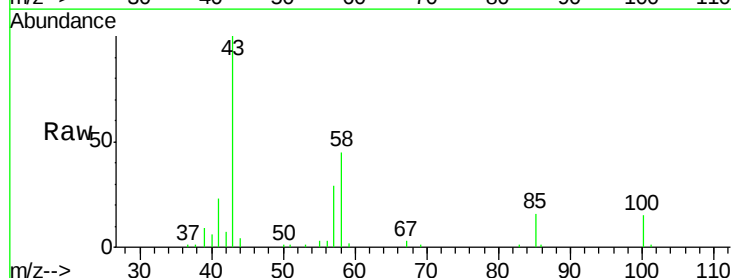
Tgt Ion: 43 Resp: 20367

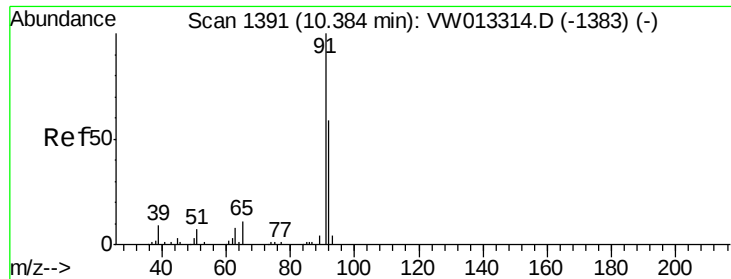
Ion Ratio Lower Upper

43 100

58 37.7 32.7 49.1

100 15.3 12.9 19.3





#44

Toluene

Concen: 2.006 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampled :

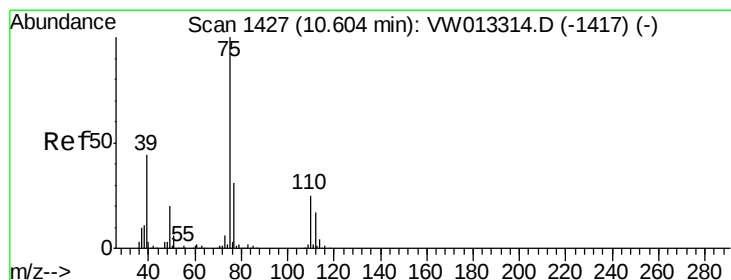
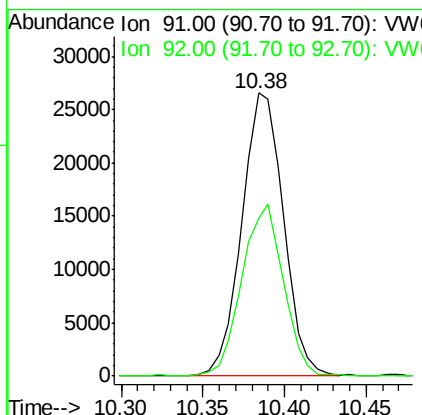
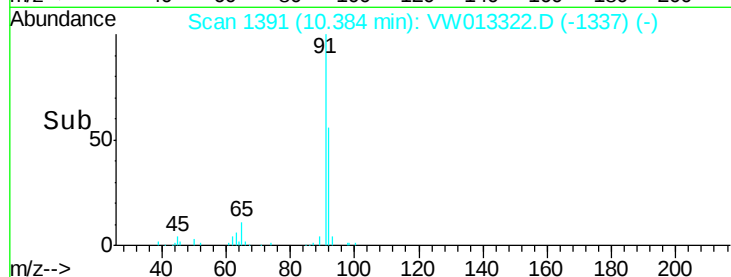
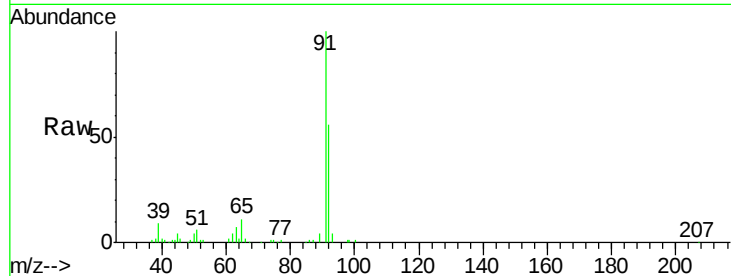
MDL07

Tot Ion: 91 Resp: 47295

Ion Ratio Lower Upper

91 100

92 56.0 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 2.124 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013322.D

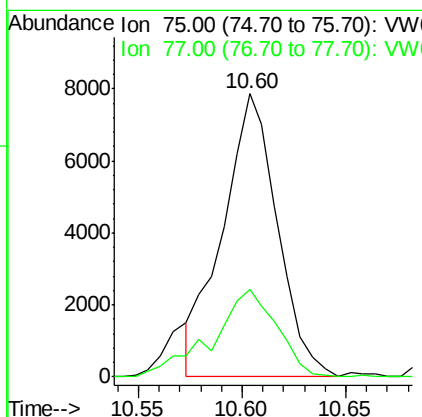
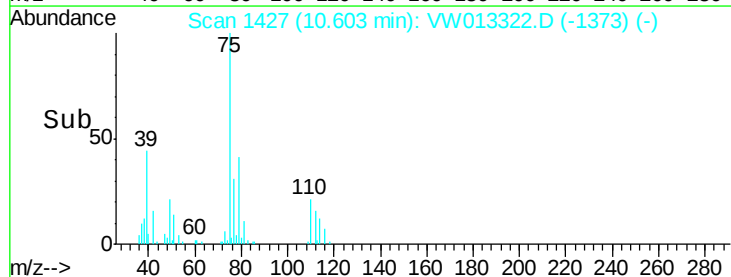
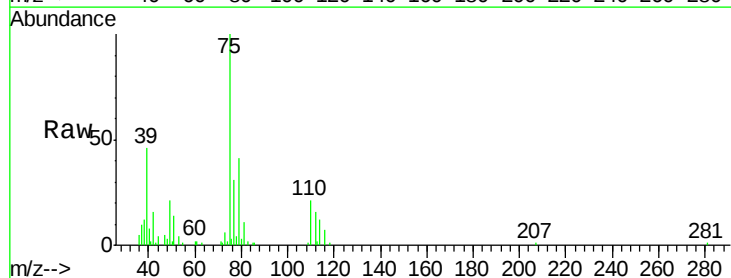
Acq: 27 Sep 2019 14:52

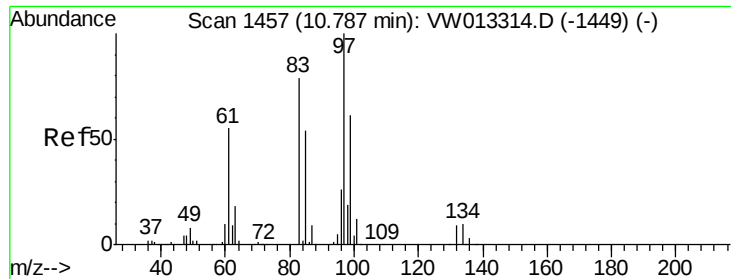
Tgt Ion: 75 Resp: 14536

Ion Ratio Lower Upper

75 100

77 30.8 20.5 38.1





#46

1,1,2-Trichloroethane

Concen: 1.943 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion: 97 Resp: 8111

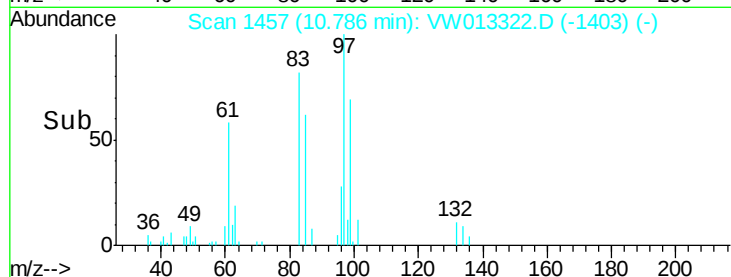
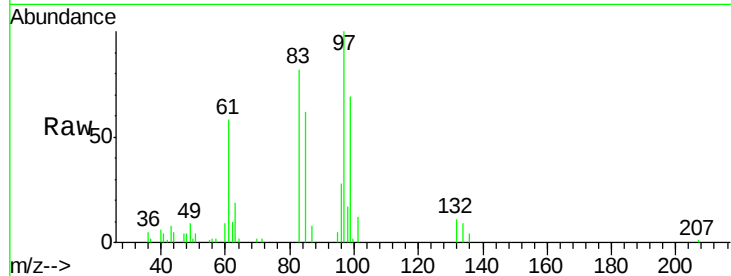
Ion	Ratio	Lower	Upper
97	100		
83	82.5	59.4	110.2
85	62.5	38.7	71.9
99	69.5	45.8	85.0

97 100

83 82.5 59.4 110.2

85 62.5 38.7 71.9

99 69.5 45.8 85.0

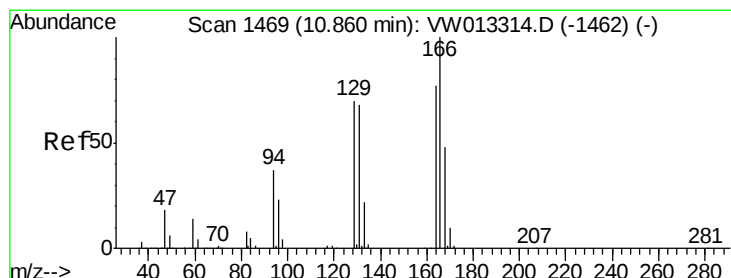
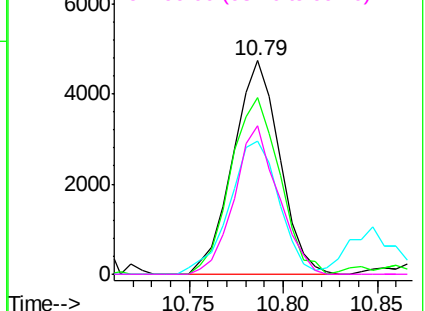


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 1.925 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Tgt Ion: 164 Resp: 9859

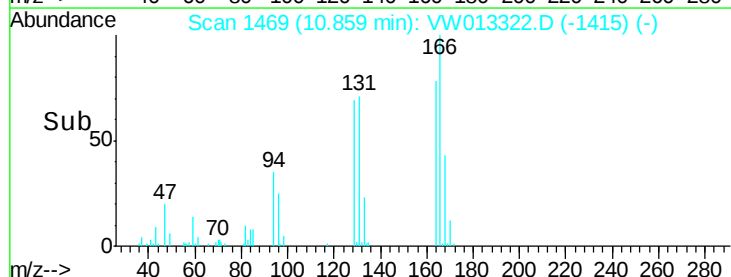
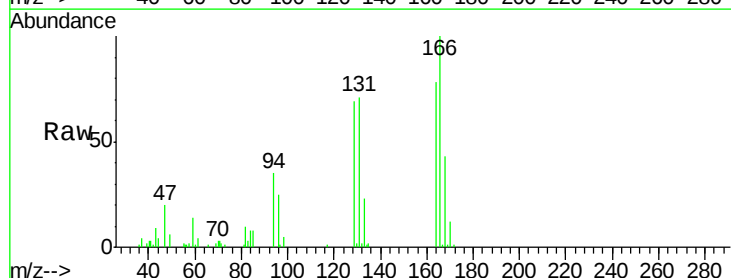
Ion	Ratio	Lower	Upper
164	100		
129	88.4	60.5	112.5
131	90.7	60.6	112.6
166	127.5	90.6	168.2

164 100

129 88.4 60.5 112.5

131 90.7 60.6 112.6

166 127.5 90.6 168.2

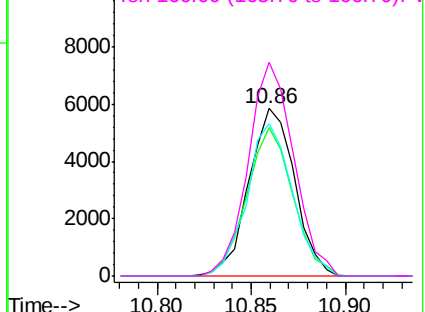


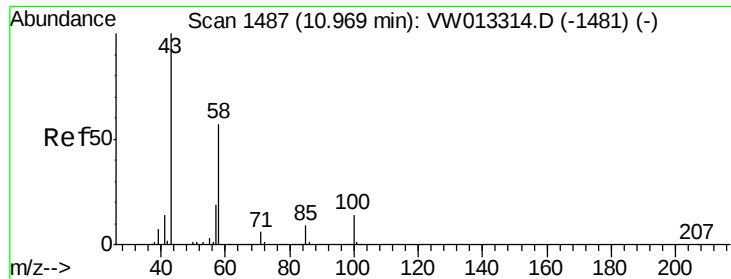
Abundance Ion 164.00 (163.70 to 164.70): V

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

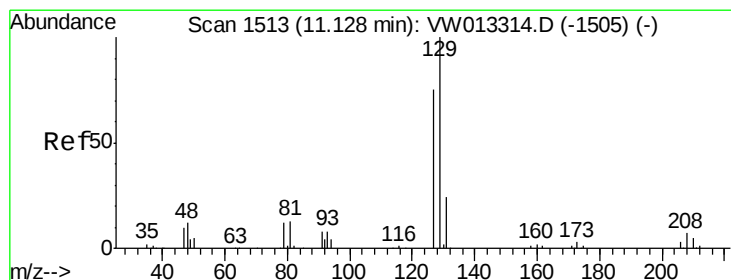
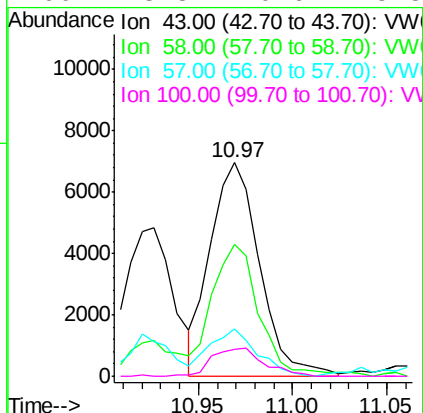
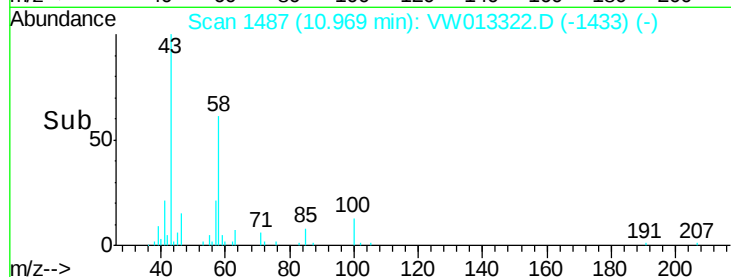
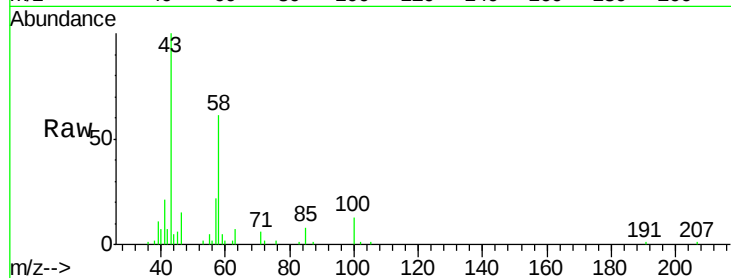




#49
2-Hexanone
Concen: 4.338 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013322.D
Acq: 27 Sep 2019 14:52

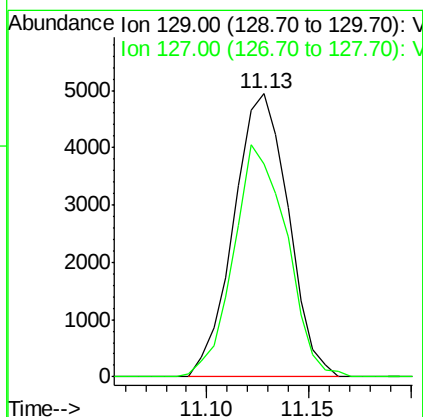
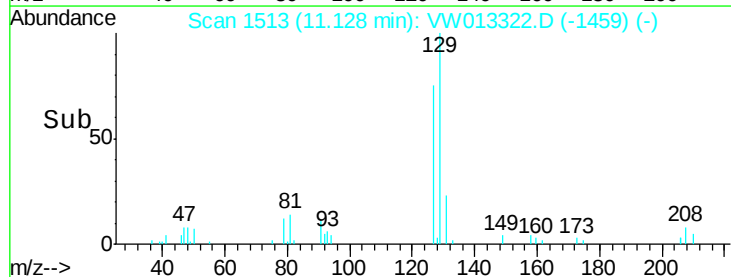
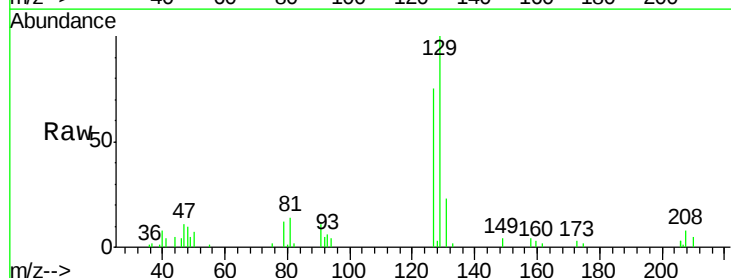
Instrument :
MSVOA_W
ClientSampleId :
MDL07

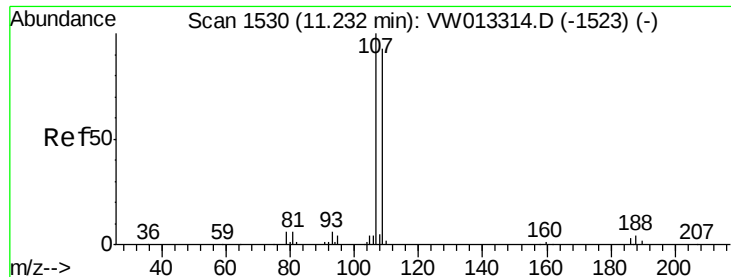
Tot Ion: 43 Resp: 12720
Ion Ratio Lower Upper
43 100
58 58.1 44.3 66.5
57 21.4 15.3 22.9
100 13.8 10.6 15.8



#50
Dibromochloromethane
Concen: 1.913 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013322.D
Acq: 27 Sep 2019 14:52

Tgt Ion: 129 Resp: 9164
Ion Ratio Lower Upper
129 100
127 75.1 56.1 104.1





#51

1,2-Dibromoethane

Concen: 1.993 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

MDL07

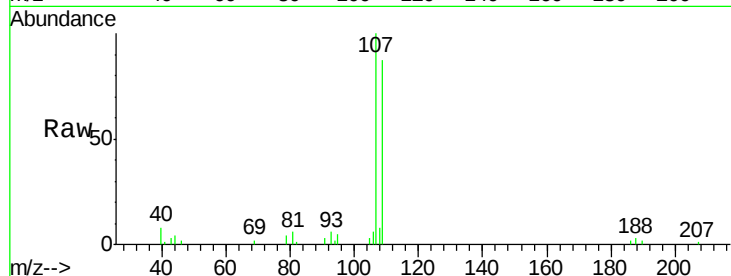
Tot Ion:107 Resp: 8174

Ion Ratio Lower Upper

107 100

109 87.5 65.5 121.6

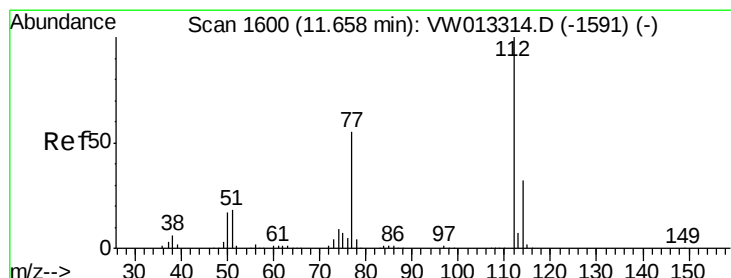
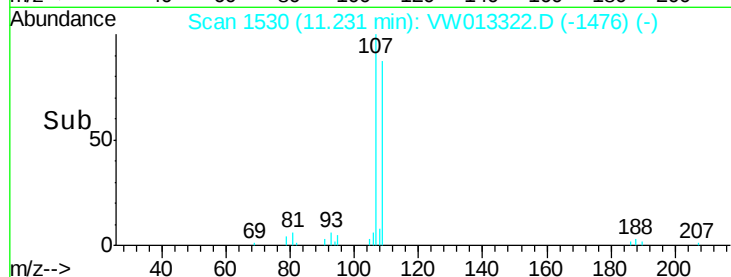
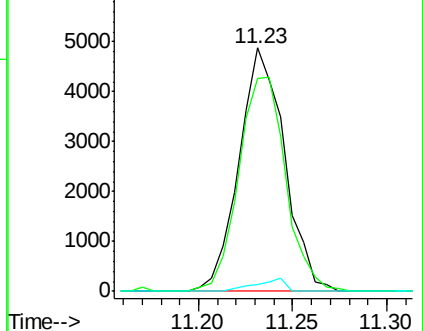
188 2.8 3.0 4.6#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 1.943 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

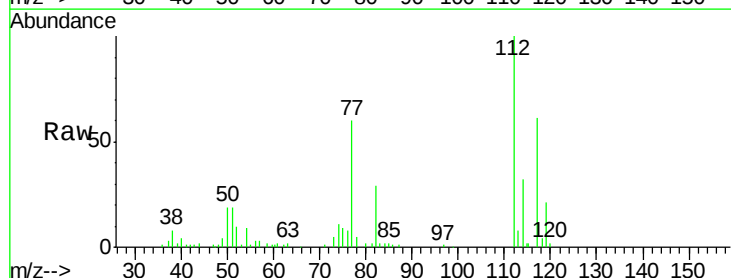
Tgt Ion:112 Resp: 28875

Ion Ratio Lower Upper

112 100

77 59.6 46.5 69.7

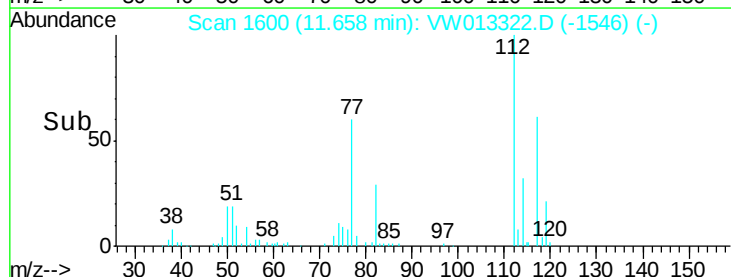
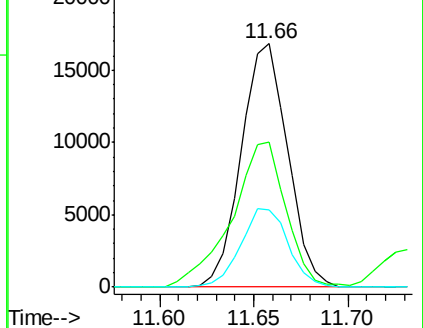
114 31.7 23.0 42.8

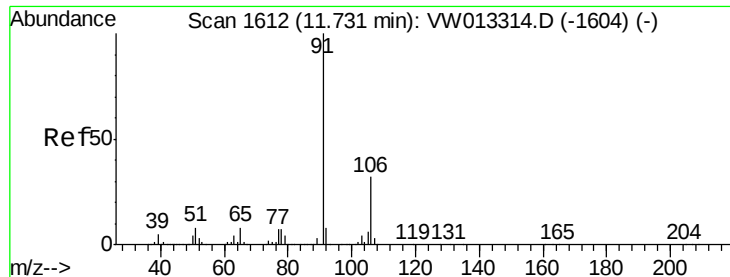


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

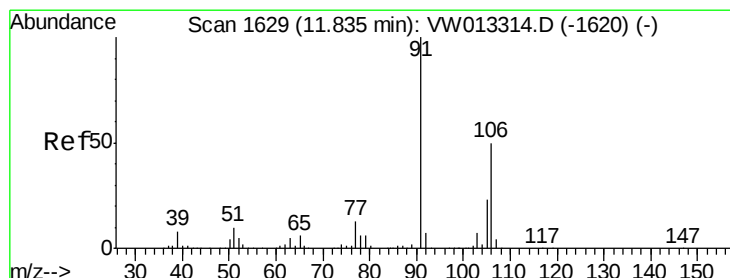
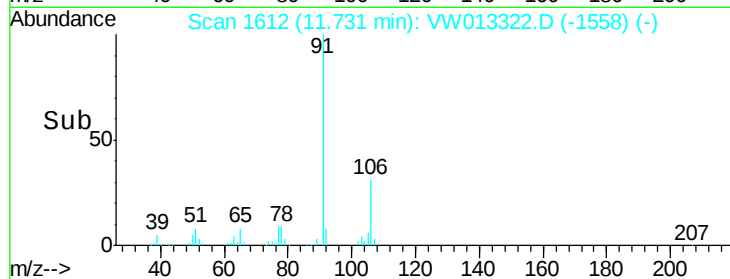
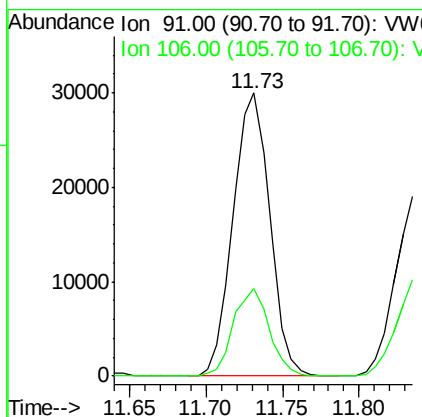
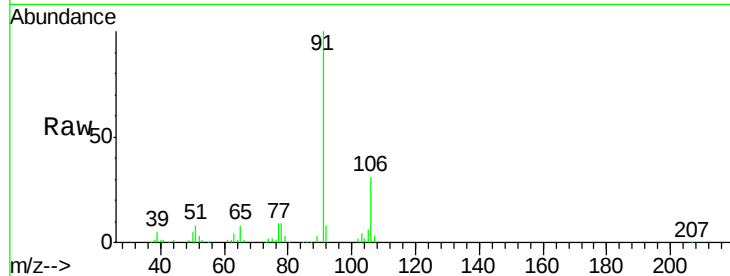




#53
Ethylbenzene
Concen: 1.909 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013322.D
Acq: 27 Sep 2019 14:52

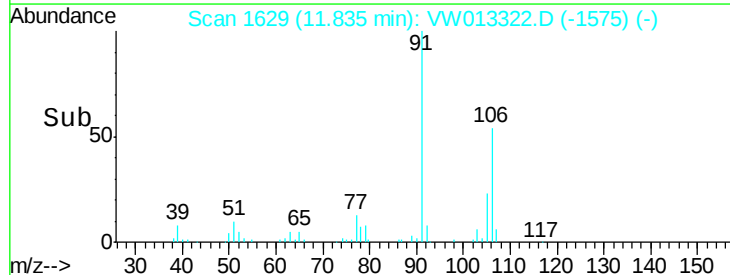
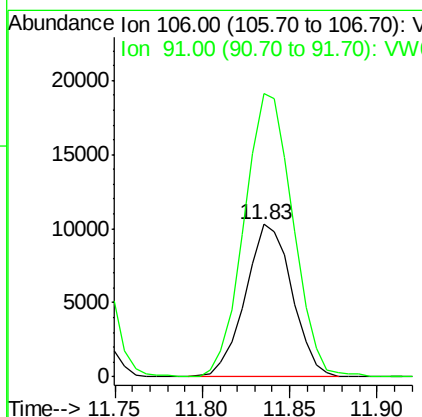
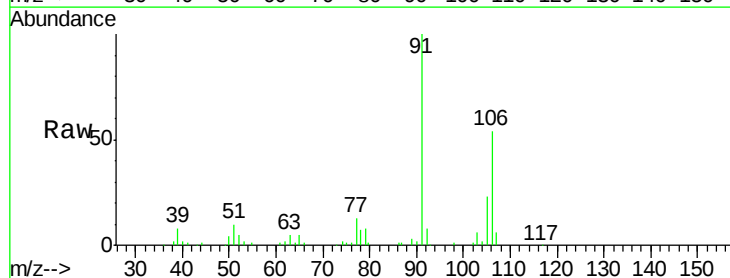
Instrument :
MSVOA_W
ClientSampleId :
MDL07

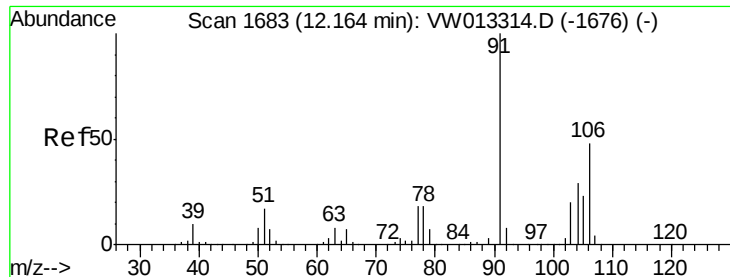
Tot Ion: 91 Resp: 49916
Ion Ratio Lower Upper
91 100
106 31.1 20.8 38.6



#54
m,p-Xylene
Concen: 1.912 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013322.D
Acq: 27 Sep 2019 14:52

Tgt Ion: 106 Resp: 19195
Ion Ratio Lower Upper
106 100
91 185.6 138.3 256.9

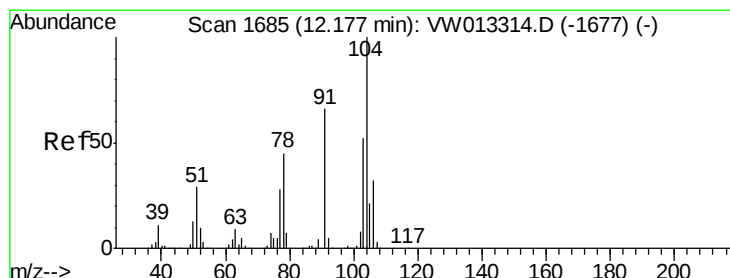
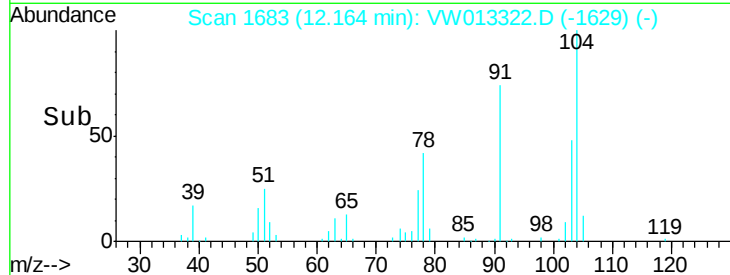
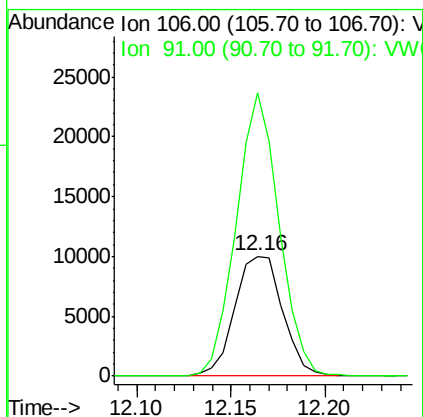
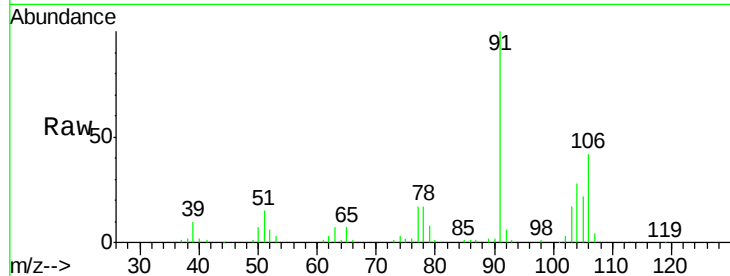




#55
o-xylene
Concen: 1.864 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013322.D
Acq: 27 Sep 2019 14:52

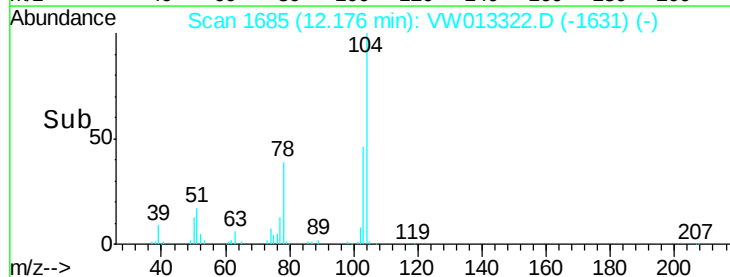
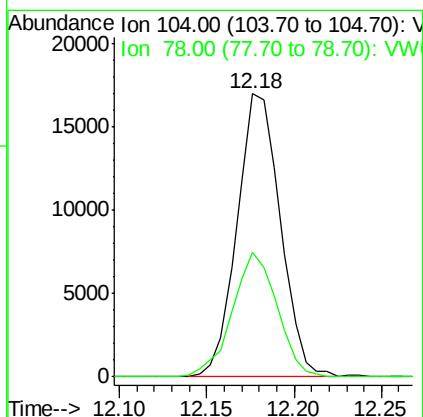
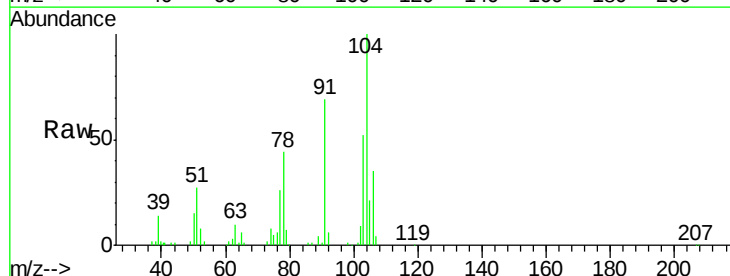
Instrument :
MSVOA_W
ClientSampled :
MDL07

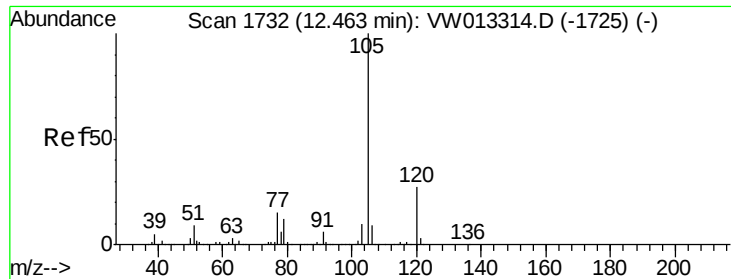
Tot Ion:106 Resp: 17657
Ion Ratio Lower Upper
106 100
91 235.6 145.9 271.1



#56
Styrene
Concen: 1.802 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013322.D
Acq: 27 Sep 2019 14:52

Tgt Ion:104 Resp: 29264
Ion Ratio Lower Upper
104 100
78 43.9 29.8 55.4





#57

Isopropylbenzene

Concen: 1.816 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

MDL07

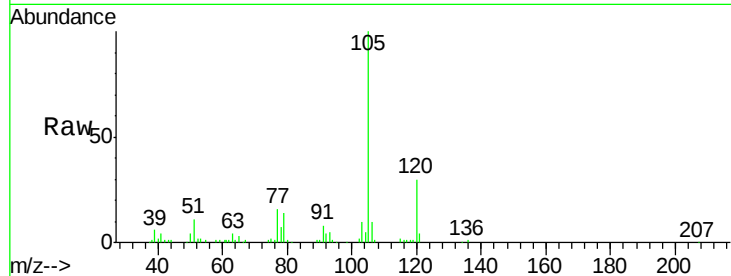
Tot Ion:105 Resp: 46516

Ion Ratio Lower Upper

105 100

120 27.6 21.4 32.2

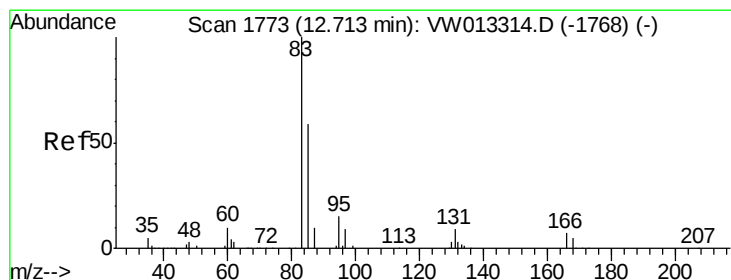
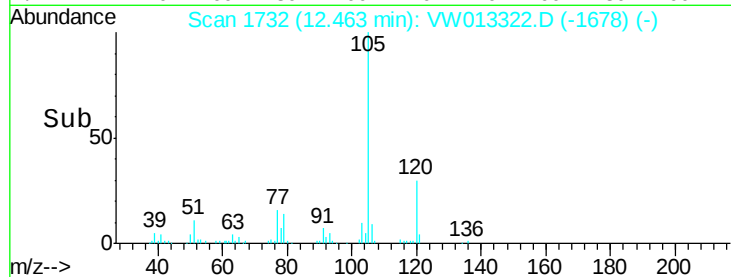
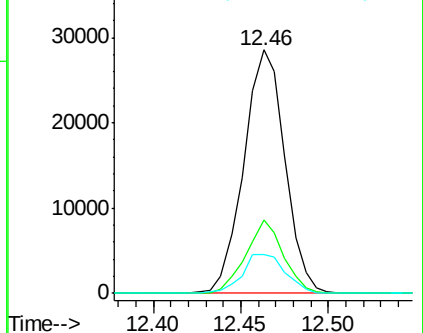
77 16.9 11.8 17.6



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: 2.300 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

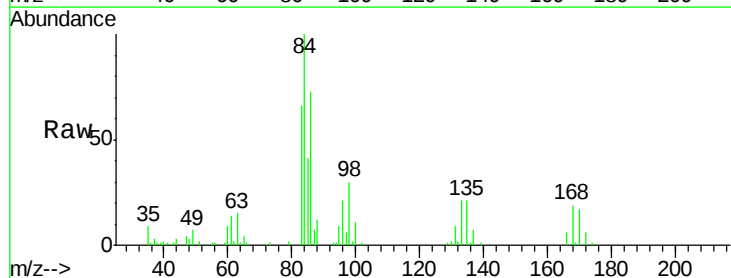
Tgt Ion: 83 Resp: 11831

Ion Ratio Lower Upper

83 100

85 61.9 45.2 84.0

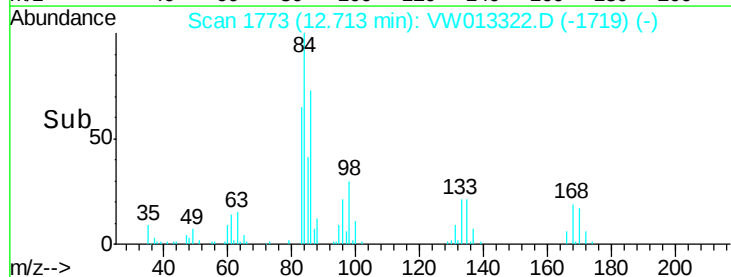
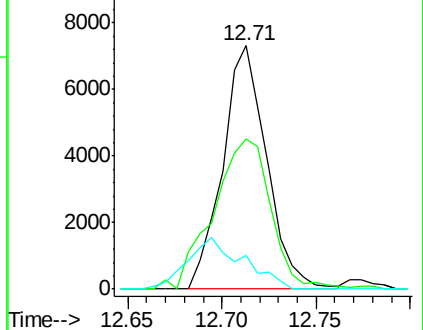
131 14.0 8.9 13.3#

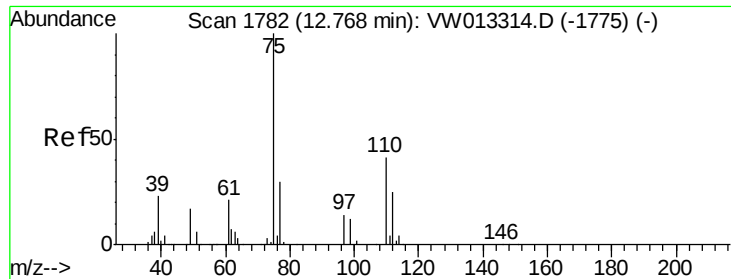


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.171 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampled :

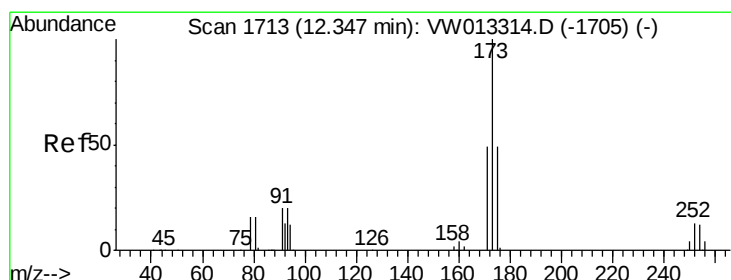
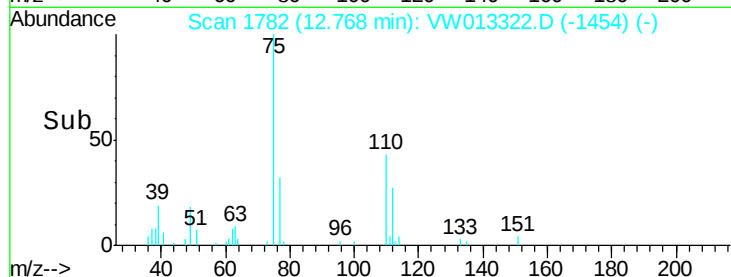
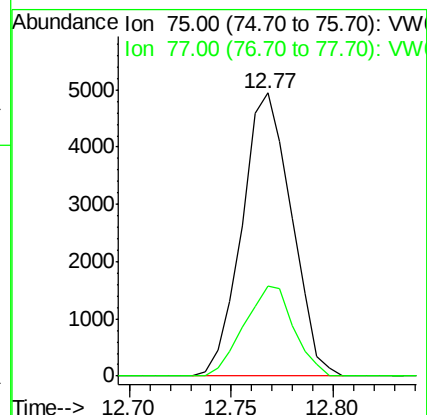
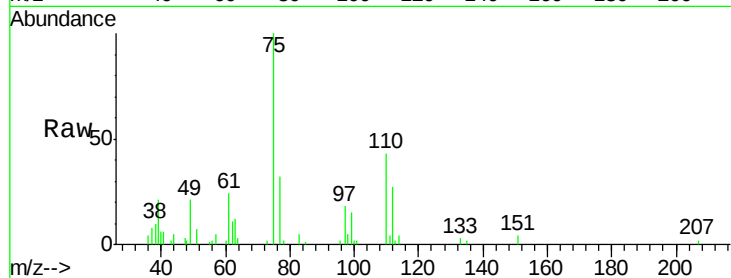
MDL07

Tot Ion: 75 Resp: 8335

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8



#62

Bromoform

Concen: 1.883 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

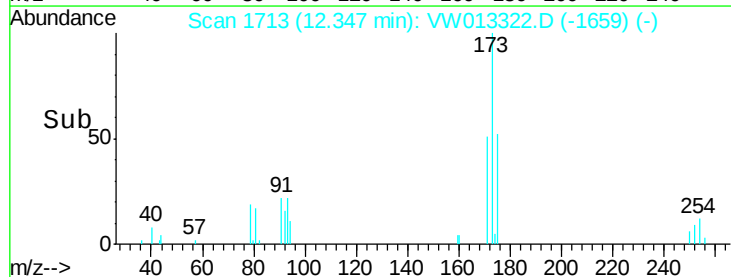
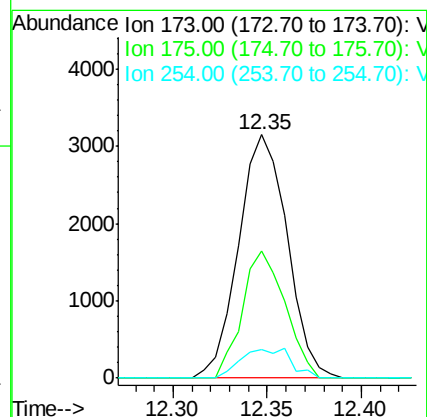
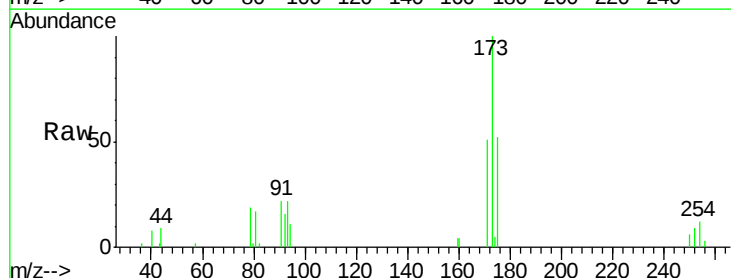
Tgt Ion: 173 Resp: 5632

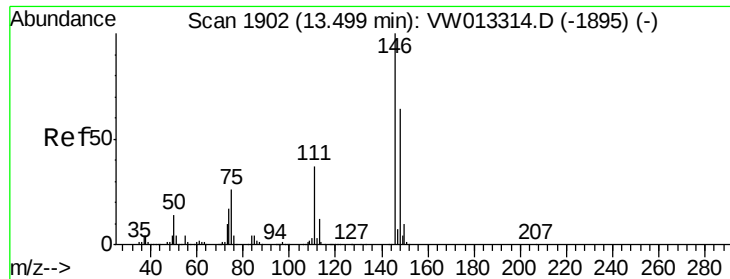
Ion Ratio Lower Upper

173 100

175 46.0 39.3 58.9

254 8.7 9.1 13.7#

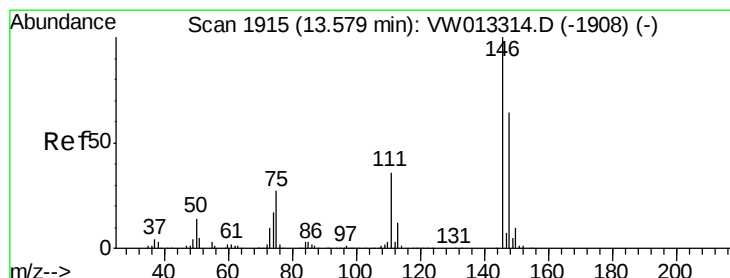
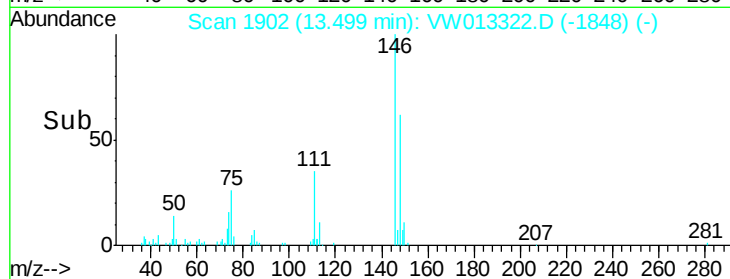
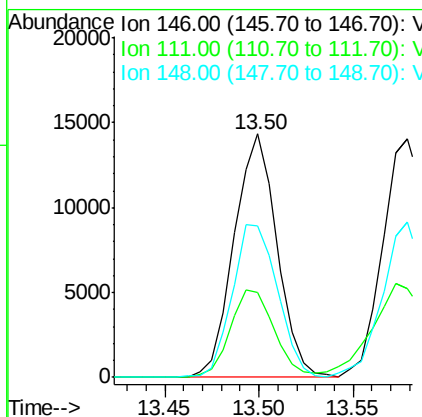
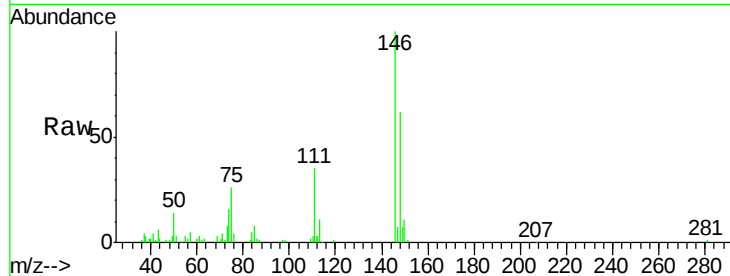




#63
 1,3-Dichlorobenzene
 Concen: 1.950 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013322.D
 Acq: 27 Sep 2019 14:52

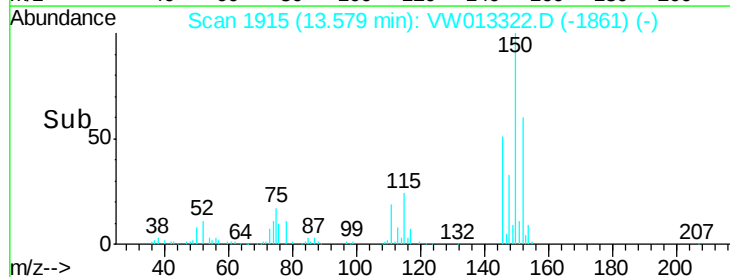
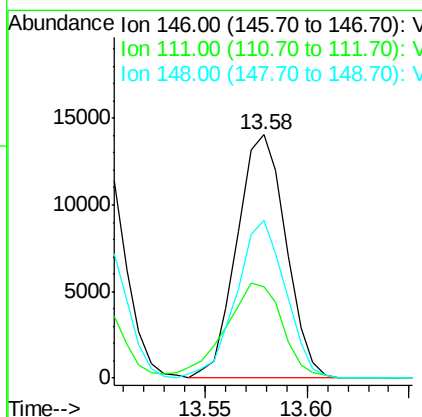
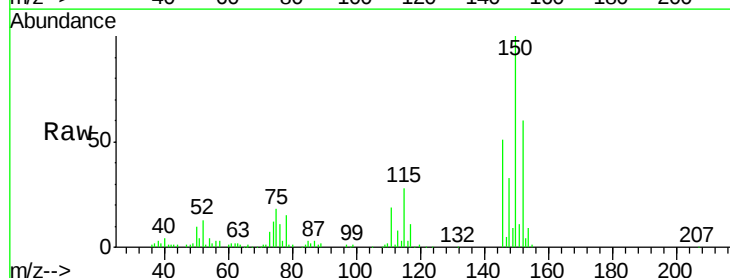
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL07

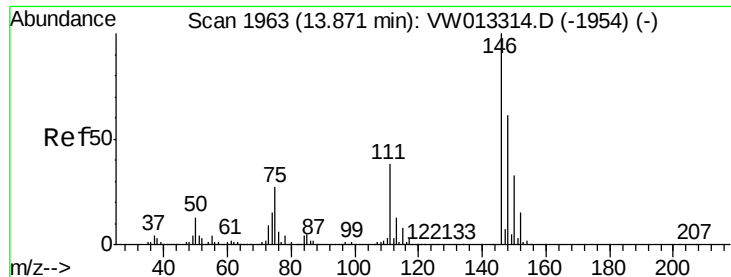
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.7	26.7	49.5
148	62.1	45.0	83.6



#64
 1,4-Dichlorobenzene
 Concen: 1.998 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013322.D
 Acq: 27 Sep 2019 14:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	24.2	45.0
148	65.1	45.1	83.7





#65

1,2-Dichlorobenzene

Concen: 2.040 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

MDL07

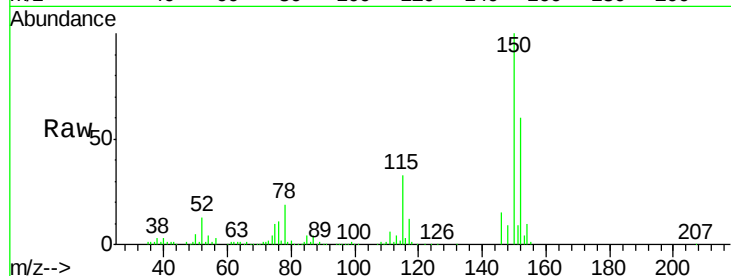
Tot Ion:146 Resp: 21597

Ion Ratio Lower Upper

146 100

111 43.6 30.8 46.2

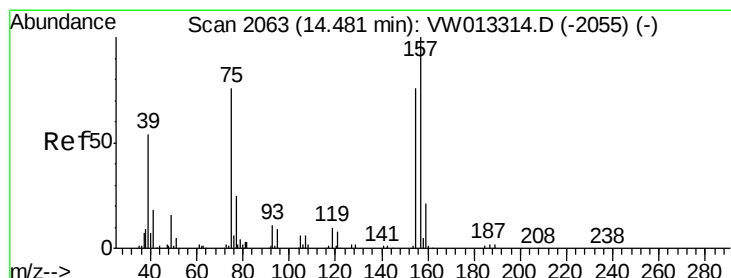
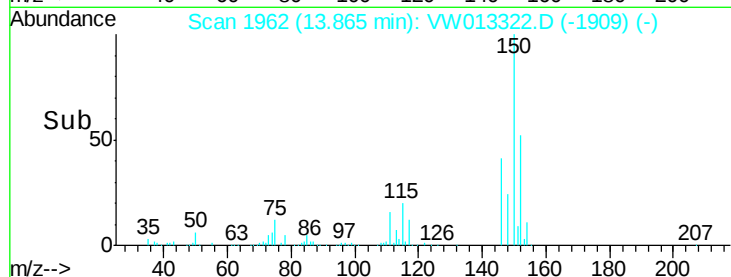
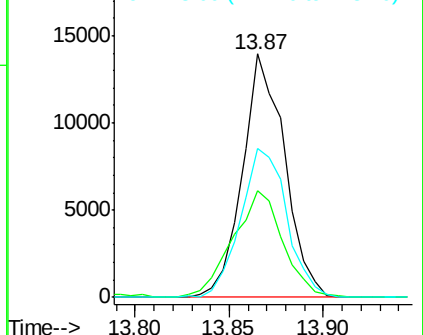
148 61.4 52.5 78.7



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: 2.020 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

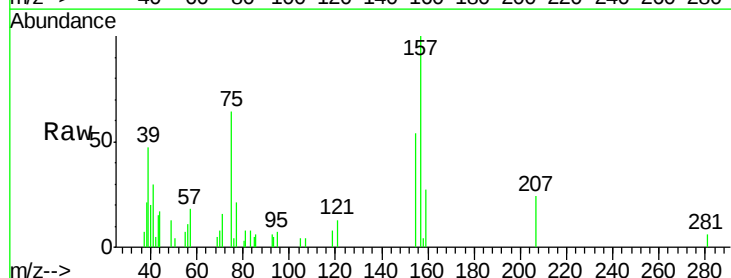
Tgt Ion: 75 Resp: 1684

Ion Ratio Lower Upper

75 100

157 156.3 97.8 146.8#

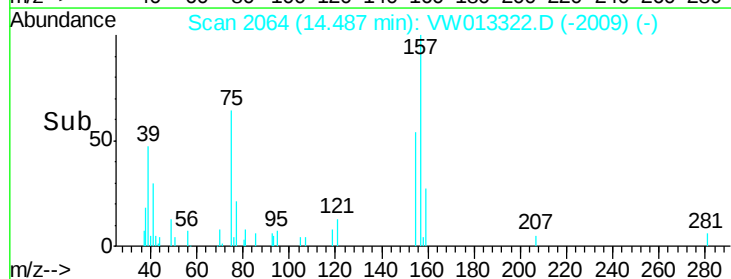
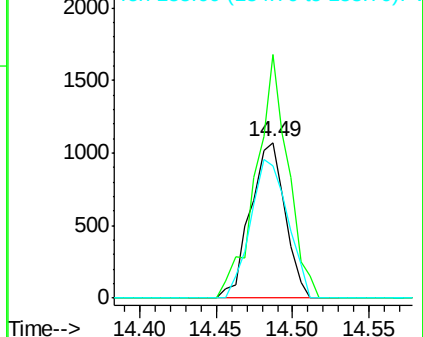
155 84.7 78.4 117.6

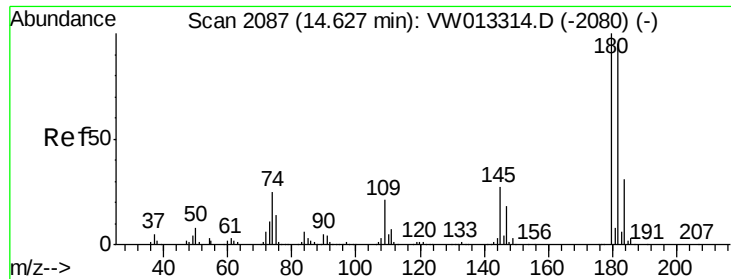


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#67

1,3,5-Trichlorobenzene

Concen: 1.807 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

MDL07

Tot Ion:180 Resp: 16189

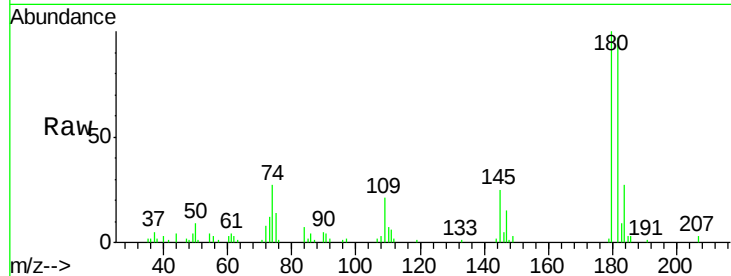
Ion Ratio Lower Upper

180 100

182 98.0 76.4 114.6

184 30.6 23.9 35.9

145 28.9 21.7 32.5

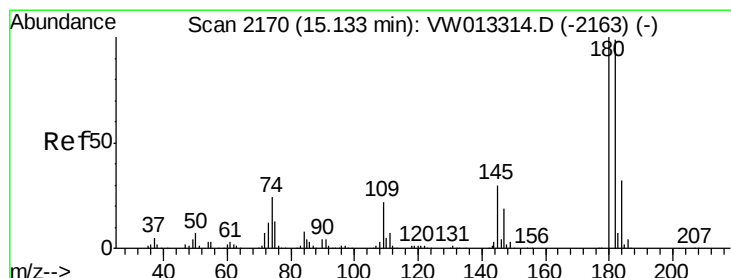
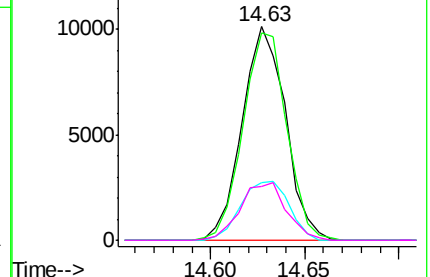
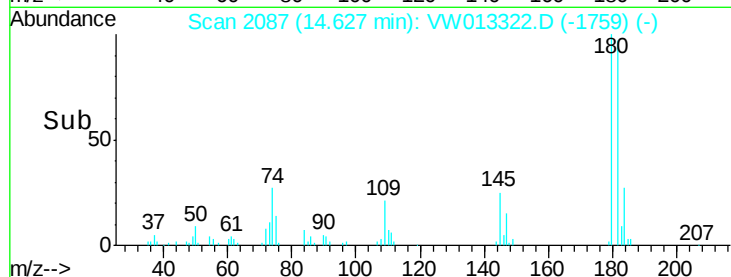


Abundance Ion 180.00 (179.70 to 180.70): V

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: 1.700 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

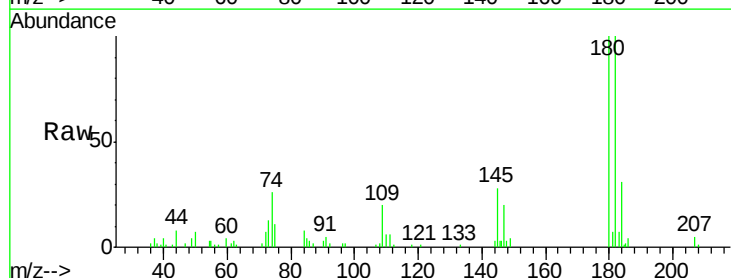
Tgt Ion:180 Resp: 12155

Ion Ratio Lower Upper

180 100

182 96.4 75.9 113.9

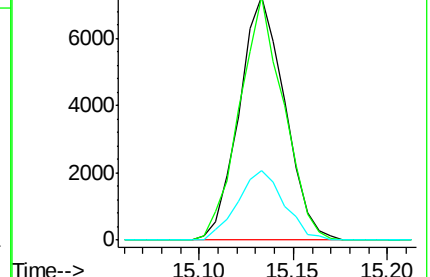
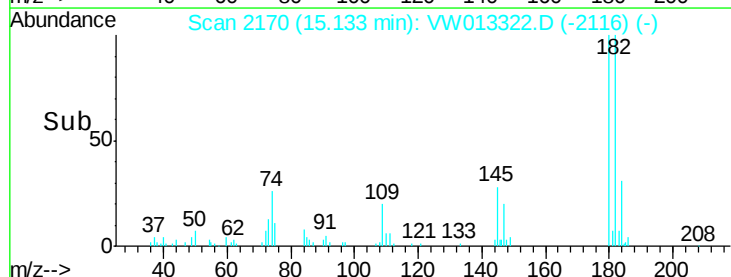
145 29.0 23.0 34.4

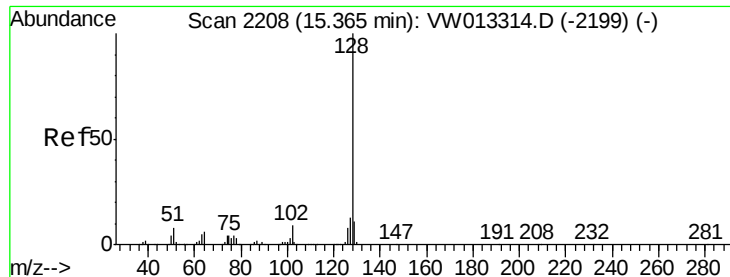


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.520 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

Instrument :

MSVOA_W

ClientSampleId :

MDL07

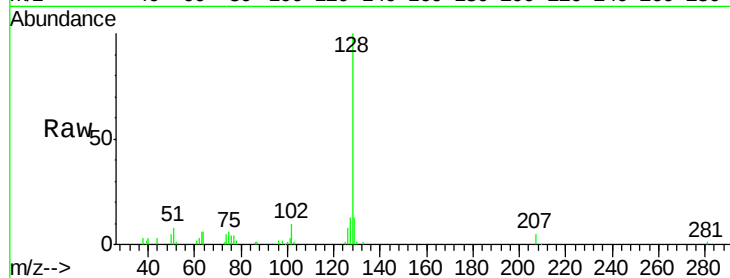
Tot Ion:128 Resp: 20769

Ion Ratio Lower Upper

128 100

129 11.9 8.7 13.1

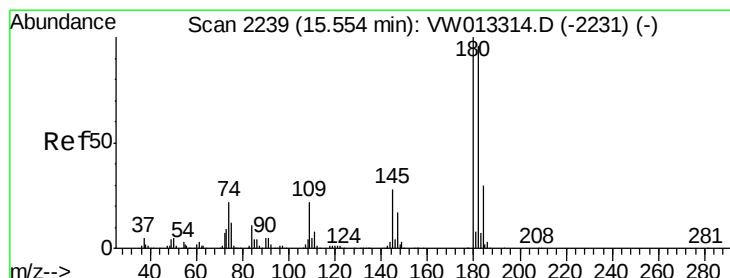
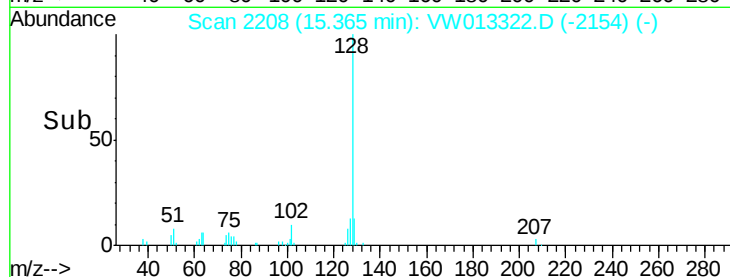
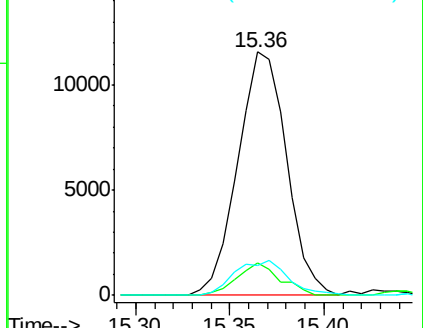
127 16.0 10.6 15.8#



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: 1.761 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013322.D

Acq: 27 Sep 2019 14:52

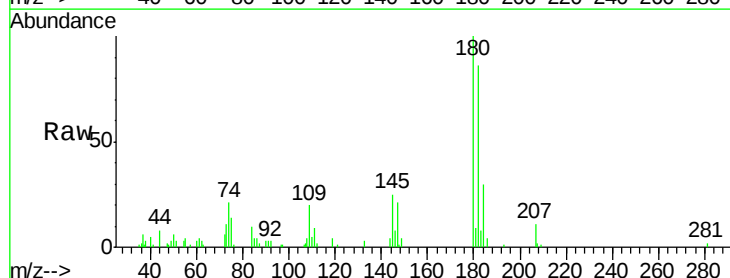
Tgt Ion:180 Resp: 11454

Ion Ratio Lower Upper

180 100

182 93.2 78.2 117.4

145 21.2 24.1 36.1#



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

