

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092719\
 Data File : VW013316.D
 Acq On : 27 Sep 2019 11:30
 Operator : SY/VA
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Quant Time: Sep 28 04:16:28 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	394930	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	344664	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	165715	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	119140	25.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.20%
7) Chloroethane-d5	2.89	69	92131	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.48%
10) 1,1-Dichloroethene-d2	4.01	63	181140	19.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.16%
20) 2-Butanone-d5	7.08	46	104231	64.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.08%
24) Chloroform-d	7.65	84	207309	23.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.12%
26) 1,2-Dichloroethane-d4	8.31	65	117212	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.44%
29) Benzene-d6	8.27	84	461400	24.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.60%
33) 1,2-Dichloropropane-d6	9.27	67	134340	24.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.36%
37) Toluene-d8	10.32	98	431982	24.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.04%
38) trans-1,3-Dichloropropene-	10.58	79	58437	23.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.28%
39) 2-Hexanone-d5	10.93	63	73095	59.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121498	25.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	146472	24.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	3382m	1.368	ug/L	
3) Chloromethane	2.21	50	6538	1.974	ug/L	93
5) Vinyl chloride	2.36	62	9476	2.069	ug/L #	66
6) Bromomethane	2.78	94	5694	1.955	ug/L	90
8) Chloroethane	2.93	64	5564	2.003	ug/L	99
9) Trichlorofluoromethane	3.26	101	5589	1.969	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	10381m	2.314	ug/L	
12) 1,1-Dichloroethene	4.04	96	10194m	2.239	ug/L	
13) Acetone	4.14	43	9452	6.977	ug/L	97
14) Carbon disulfide	4.38	76	24593	1.903	ug/L	100
15) Methyl Acetate	4.67	43	6041	2.311	ug/L #	76
16) Methylene chloride	4.92	84	24579	4.166	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	15335	1.947	ug/L #	89
18) trans-1,2-Dichloroethene	5.42	96	10014	2.057	ug/L	90
19) 1,1-Dichloroethane	6.21	63	17008	1.992	ug/L	95
21) 2-Butanone	7.18	43	12713m	6.515	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	10381	1.957	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

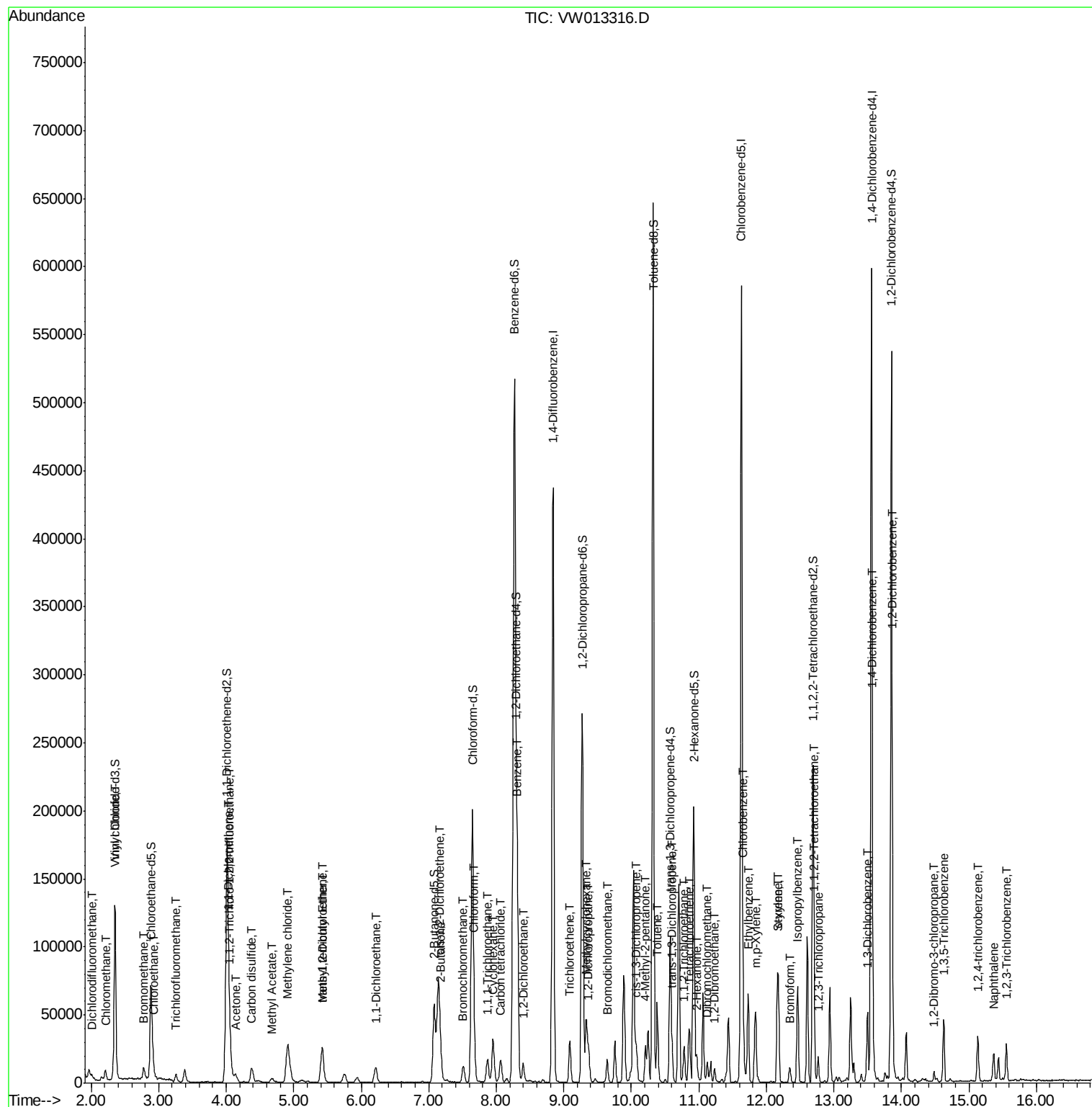
23) Bromochloromethane	7.51	128	4579	1.918	ug/L	83
25) Chloroform	7.68	83	16266	1.938	ug/L	86
27) 1,2-Dichloroethane	8.40	62	11624	2.115	ug/L #	91
30) Cyclohexane	7.95	56	16855	2.036	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	13586	2.054	ug/L	99
32) Carbon tetrachloride	8.07	117	12342	1.957	ug/L	98
34) Benzene	8.32	78	39409m	2.040	ug/L	
35) Trichloroethene	9.09	95	10512	2.071	ug/L	97
36) Methylcyclohexane	9.33	83	18251	2.018	ug/L	97
40) 1,2-Dichloropropane	9.37	63	10079	2.120	ug/L	99
41) Bromodichloromethane	9.64	83	11265	1.931	ug/L	93
42) cis-1,3-Dichloropropene	10.07	75	14321	1.886	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	19007	5.223	ug/L	99
44) Toluene	10.38	91	43573	2.071	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	12501	2.048	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	7780	2.089	ug/L	86
47) Tetrachloroethene	10.87	164	8932	1.955	ug/L	93
49) 2-Hexanone	10.97	43	12157	4.647	ug/L	98
50) Dibromochloromethane	11.13	129	8221	1.924	ug/L	97
51) 1,2-Dibromoethane	11.24	107	7817	2.136	ug/L #	93
52) Chlorobenzene	11.66	112	27469	2.072	ug/L	97
53) Ethylbenzene	11.73	91	45389	1.946	ug/L	97
54) m,p-Xylene	11.84	106	17341	1.937	ug/L	98
55) o-xylene	12.16	106	16233	1.921	ug/L	94
56) Styrene	12.18	104	26127	1.803	ug/L	93
57) Isopropylbenzene	12.46	105	41561	1.819	ug/L #	97
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	9369	2.042	ug/L #	89
59) 1,2,3-Trichloropropane	12.77	75	7460	2.179	ug/L	90
62) Bromoform	12.35	173	4933	1.882	ug/L	91
63) 1,3-Dichlorobenzene	13.50	146	19911	1.953	ug/L	92
64) 1,4-Dichlorobenzene	13.58	146	21198	2.057	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	18569	2.001	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	1683	2.303	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	15071	1.920	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	10517	1.678	ug/L	99
69) Naphthalene	15.37	128	18021	1.505	ug/L	98
70) 1,2,3-Trichlorobenzene	15.55	180	9857	1.729	ug/L	99

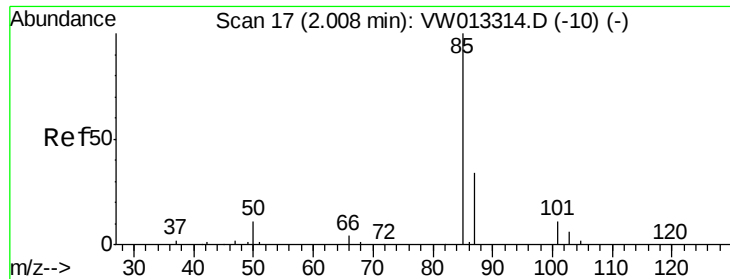
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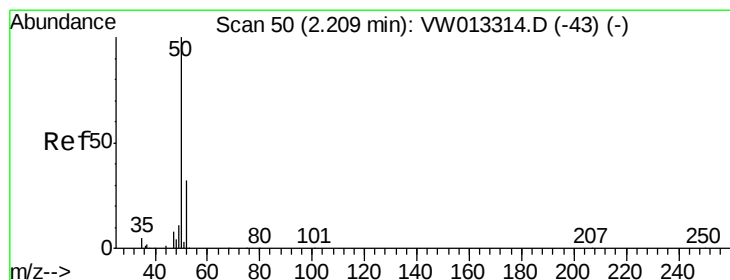
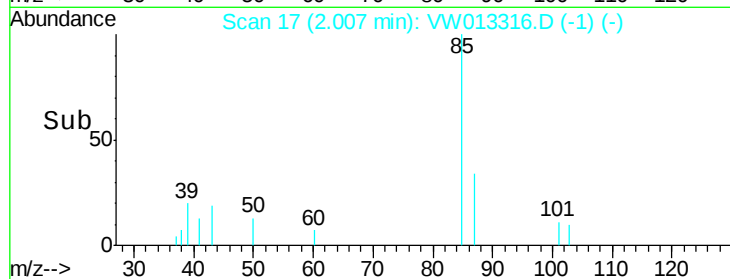
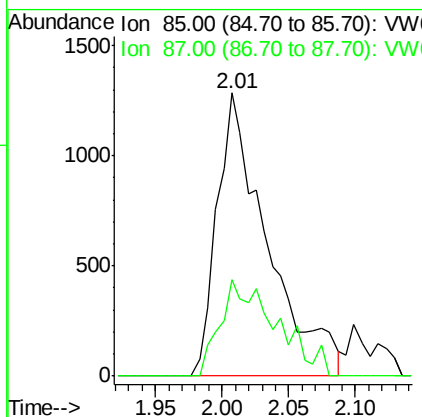
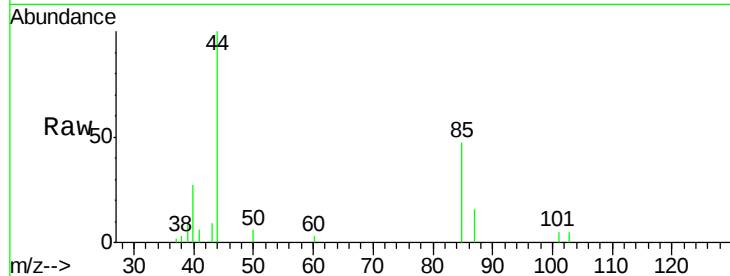


#2

Dichlorodifluoromethane
Concen: 1.368 ug/L m
RT: 2.01 min Scan# 17
Delta R.T. -0.00 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
MDL01

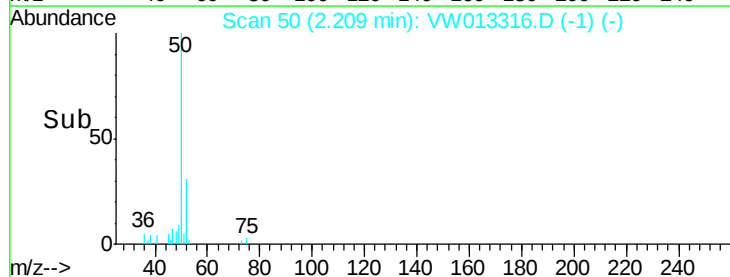
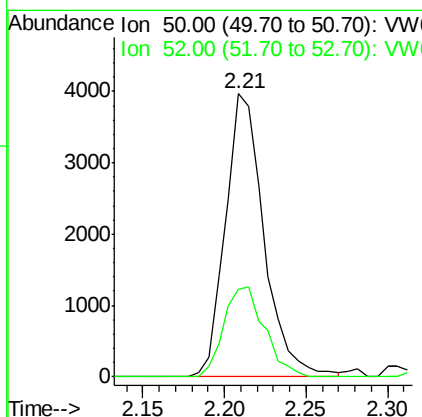
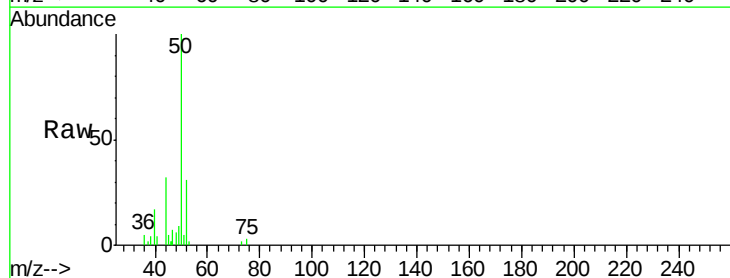
Tot Ion: 85 Resp: 3382
Ion Ratio Lower Upper
85 100
87 18.6 21.3 39.6#

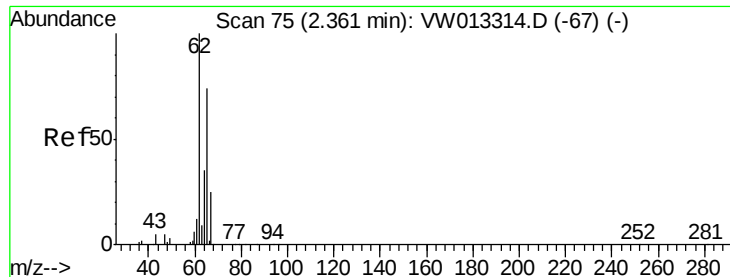


#3

Chloromethane
Concen: 1.974 ug/L
RT: 2.21 min Scan# 50
Delta R.T. -0.00 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

Tgt Ion: 50 Resp: 6538
Ion Ratio Lower Upper
50 100
52 30.7 24.4 45.4





#5

Vinyl chloride

Concen: 2.069 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

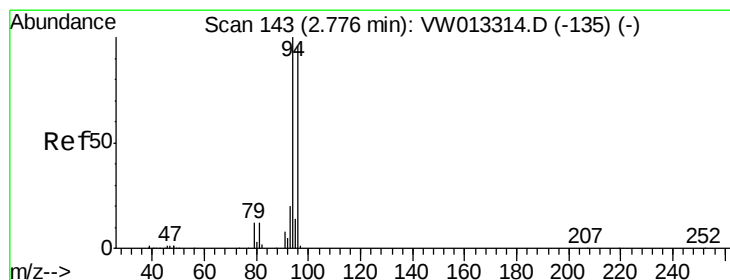
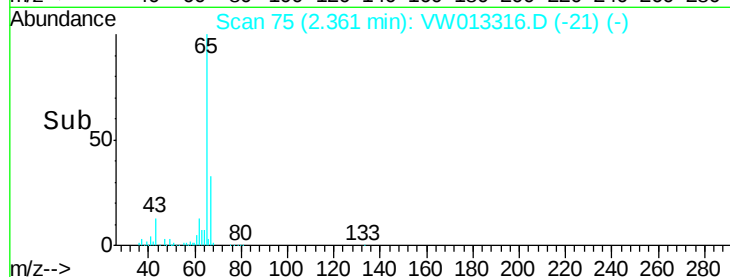
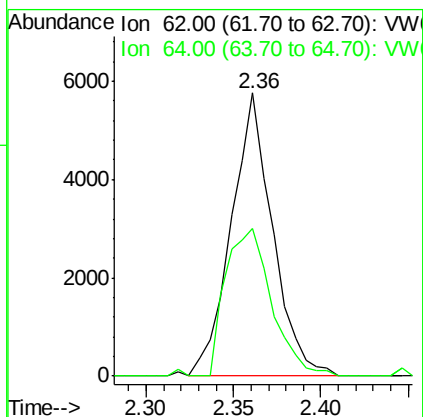
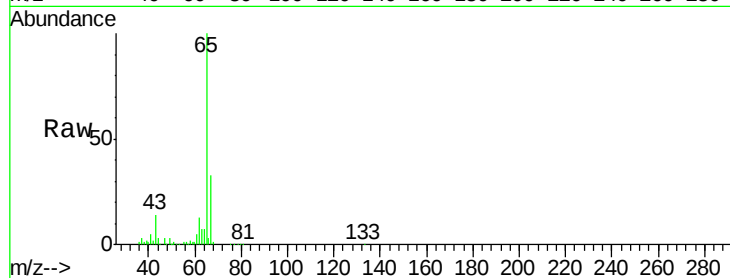
MDL01

Tot Ion: 62 Resp: 9476

Ion Ratio Lower Upper

62 100

64 52.4 23.2 43.0#



#6

Bromomethane

Concen: 1.955 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013316.D

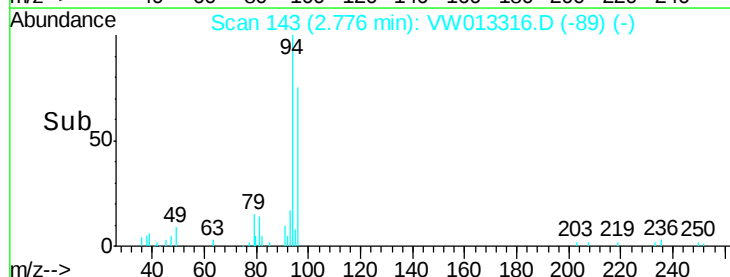
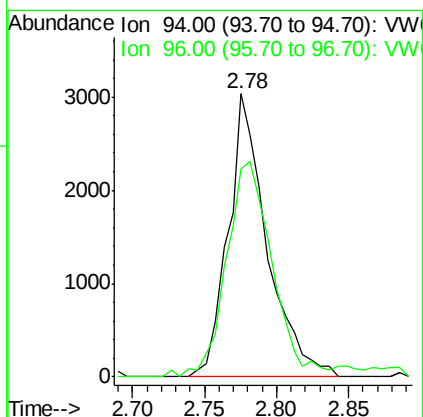
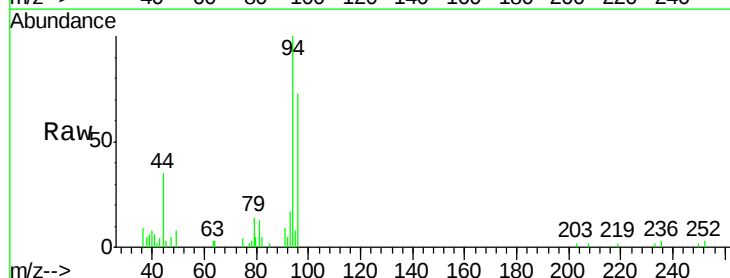
Acq: 27 Sep 2019 11:30

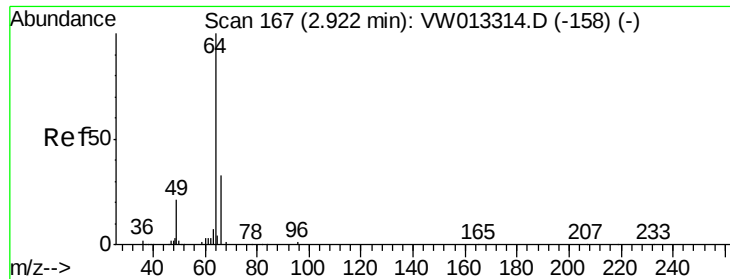
Tgt Ion: 94 Resp: 5694

Ion Ratio Lower Upper

94 100

96 86.9 9.7 184.3





#8

Chloroethane

Concen: 2.003 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

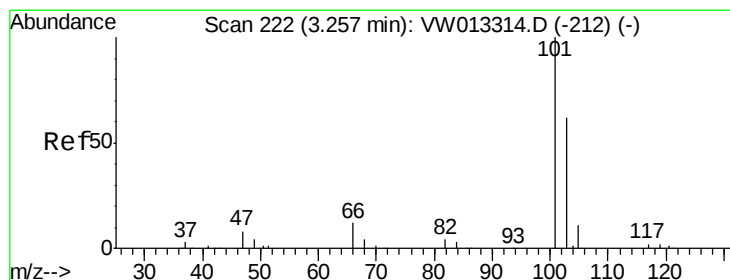
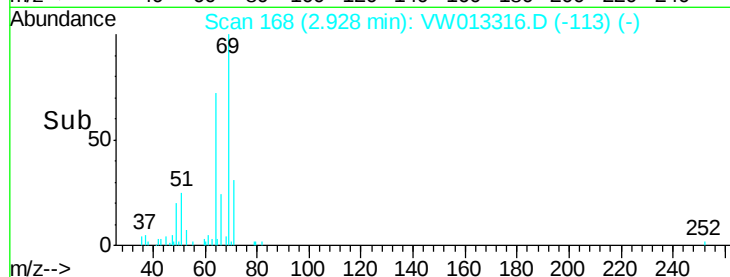
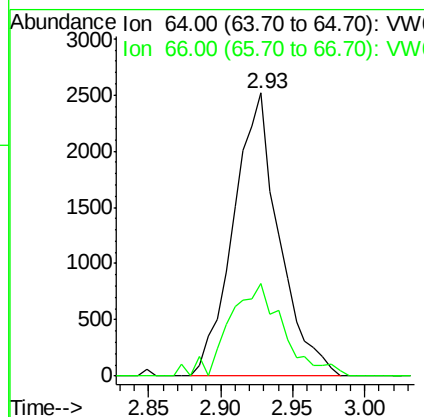
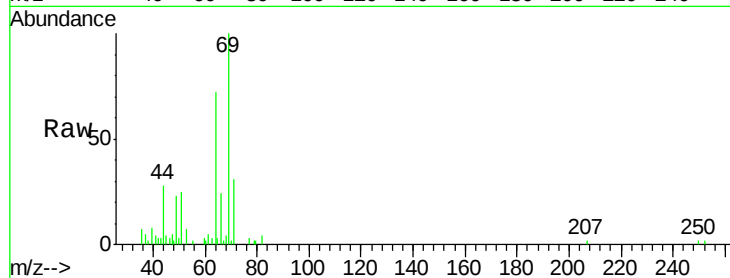
MDL01

Tot Ion: 64 Resp: 5564

Ion Ratio Lower Upper

64 100

66 32.9 22.7 42.1



#9

Trichlorofluoromethane

Concen: 1.969 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013316.D

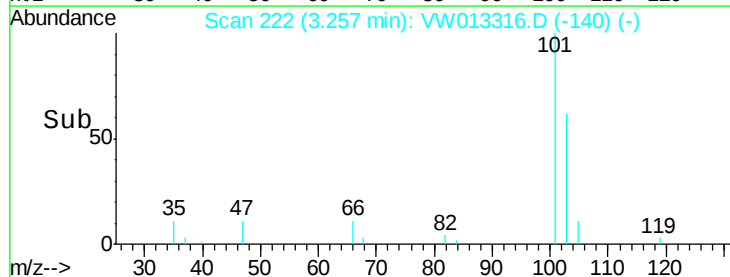
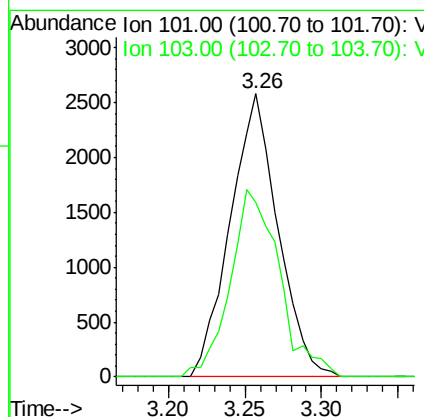
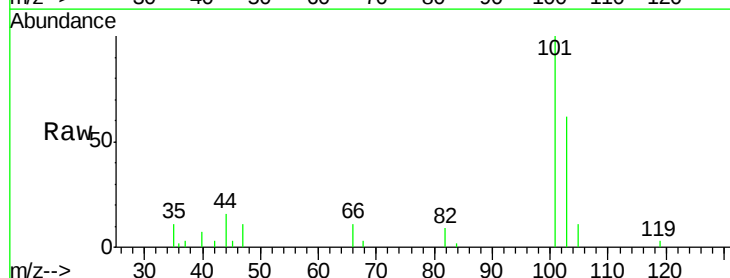
Acq: 27 Sep 2019 11:30

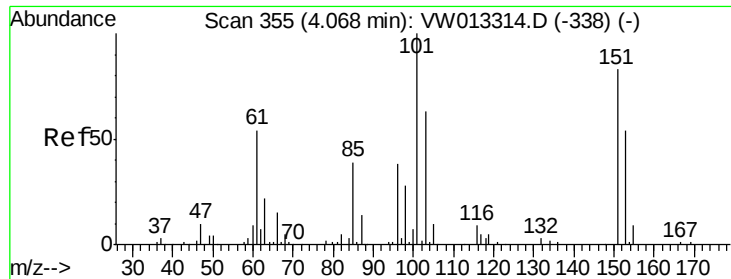
Tgt Ion: 101 Resp: 5589

Ion Ratio Lower Upper

101 100

103 63.7 45.2 84.0





#11

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

Concen: 2.314 ug/L m

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

MDL01

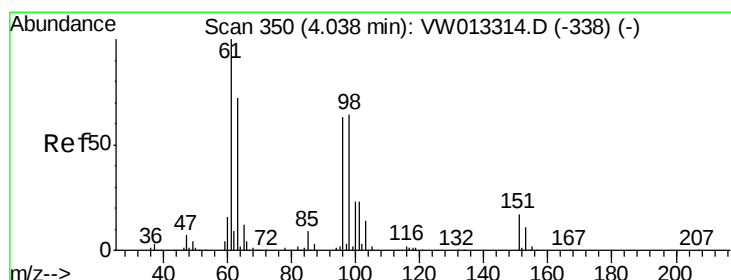
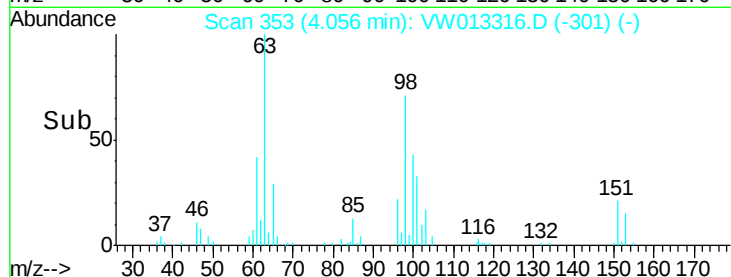
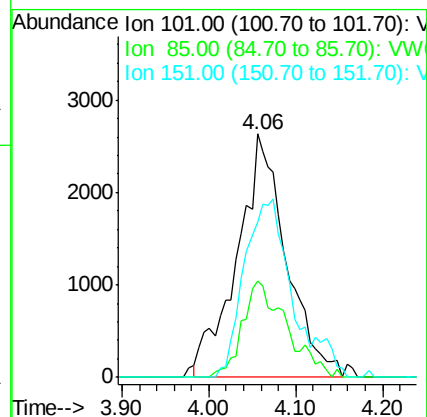
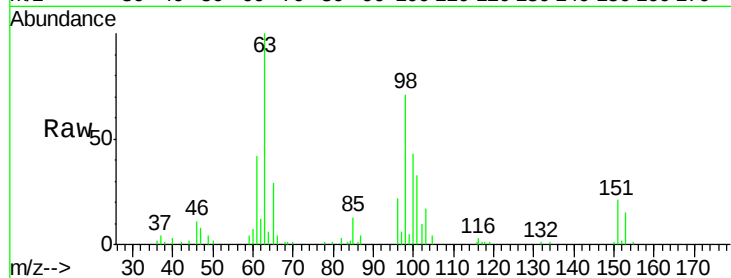
Tot Ion:101 Resp: 10381

Ion Ratio Lower Upper

101 100

85 22.5 31.8 47.8#

151 62.3 65.4 98.0#



#12

1,1-Dichloroethene

Concen: 2.239 ug/L m

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

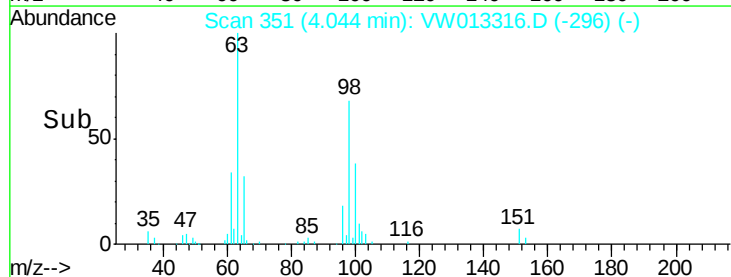
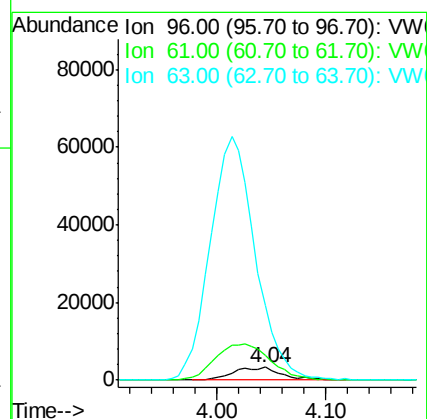
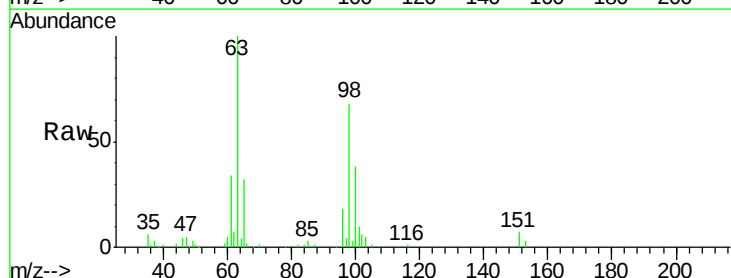
Tgt Ion: 96 Resp: 10194

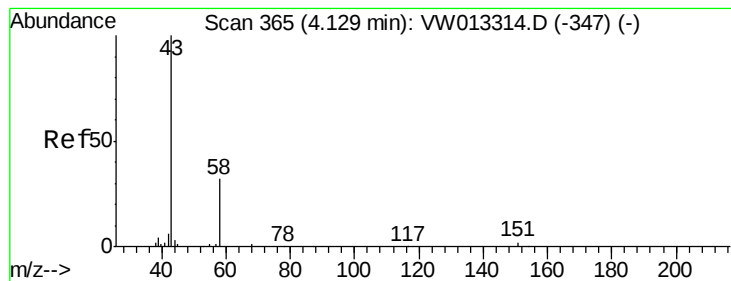
Ion Ratio Lower Upper

96 100

61 189.8 115.9 215.3

63 562.1 88.9 165.1#





#13

Acetone

Concen: 6.977 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

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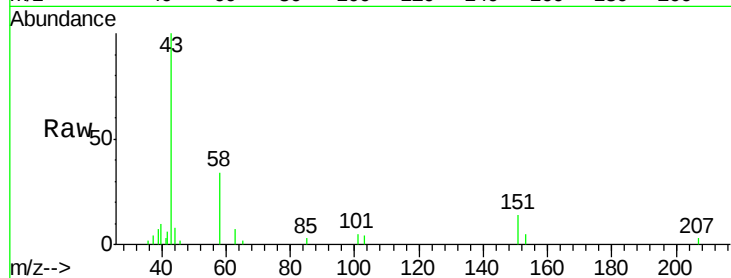
MDL01

Tot Ion: 43 Resp: 9452

Ion Ratio Lower Upper

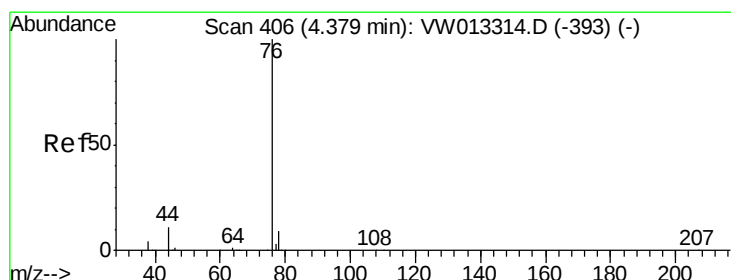
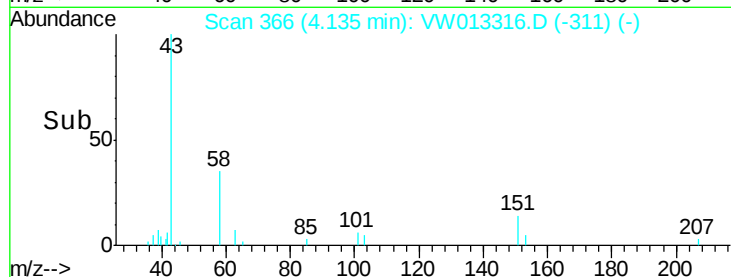
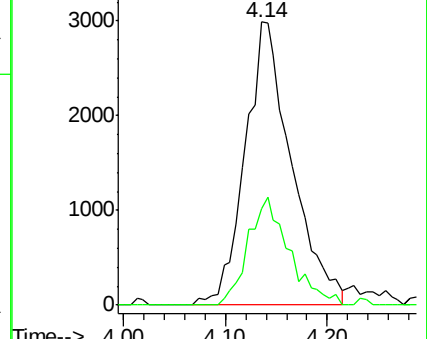
43 100

58 33.3 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: 1.903 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

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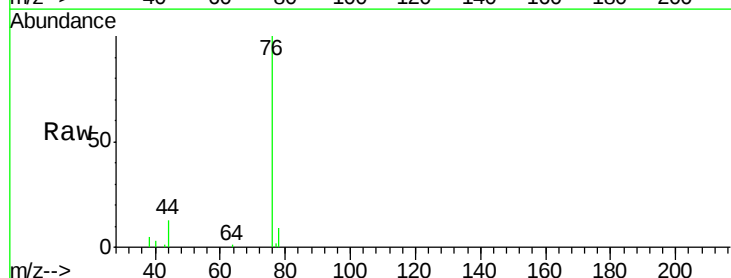
Acq: 27 Sep 2019 11:30

Tgt Ion: 76 Resp: 24593

Ion Ratio Lower Upper

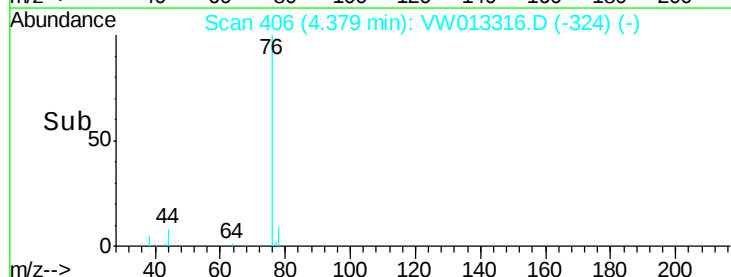
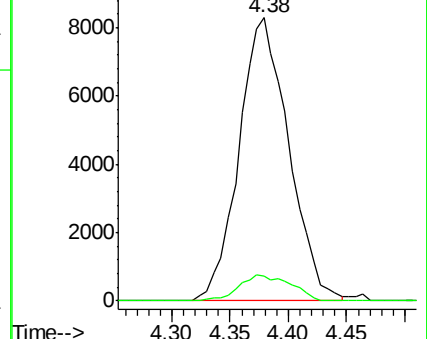
76 100

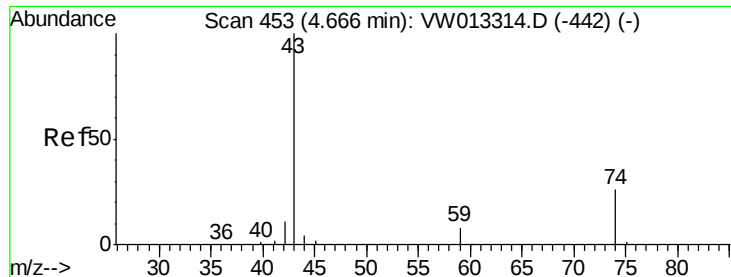
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 2.311 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

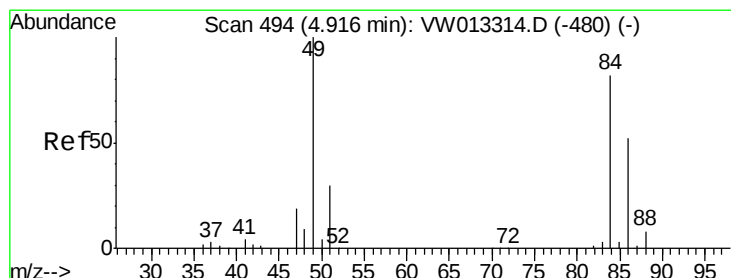
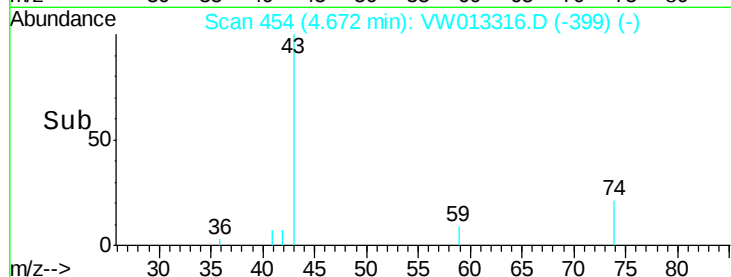
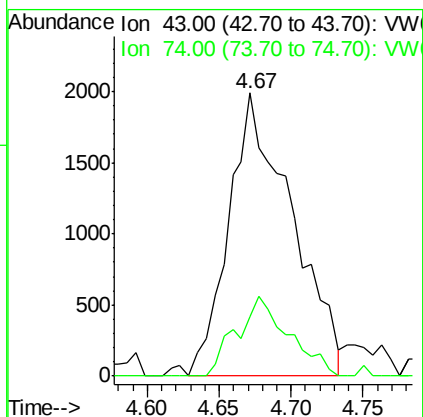
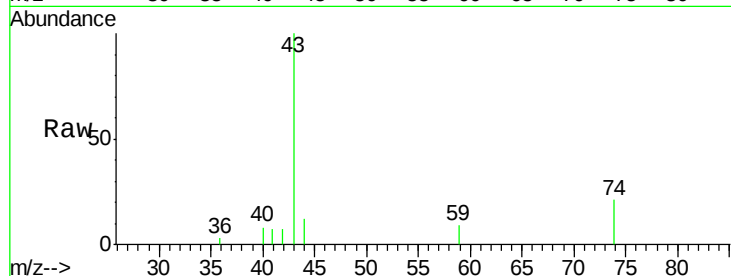
MDL01

Tot Ion: 43 Resp: 6041

Ion Ratio Lower Upper

43 100

74 11.9 18.7 28.1#



#16

Methylene chloride

Concen: 4.166 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

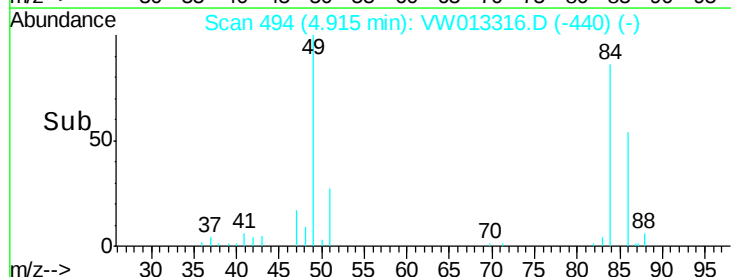
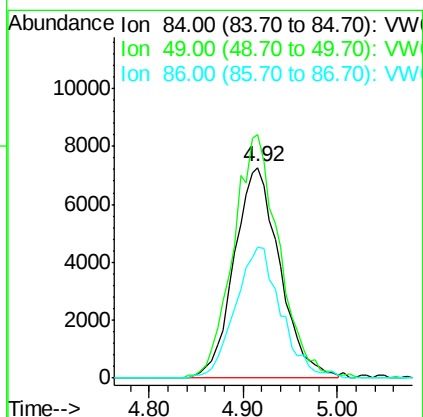
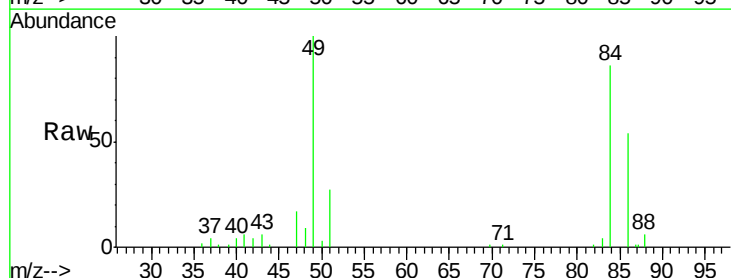
Tgt Ion: 84 Resp: 24579

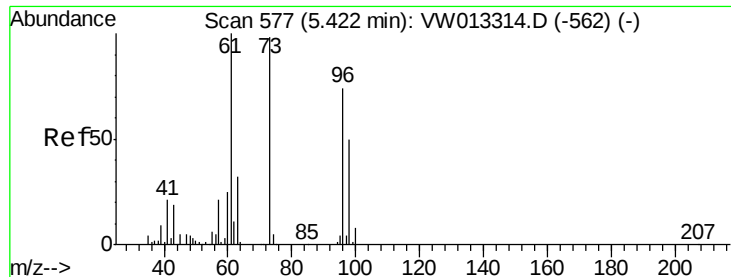
Ion Ratio Lower Upper

84 100

49 115.7 84.8 157.4

86 62.0 44.0 81.6

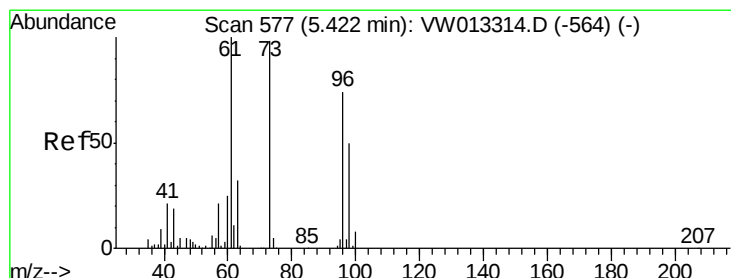
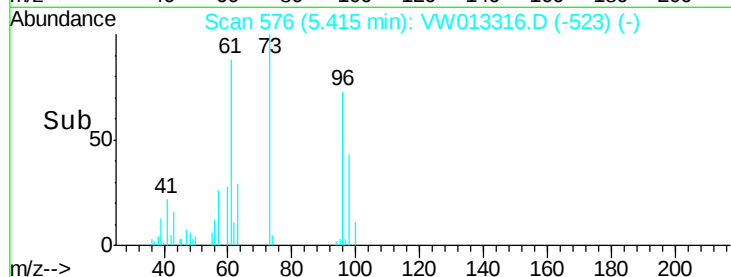
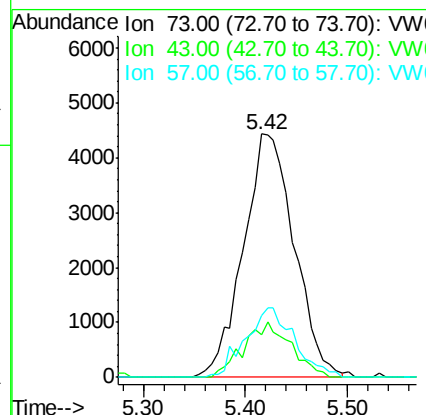
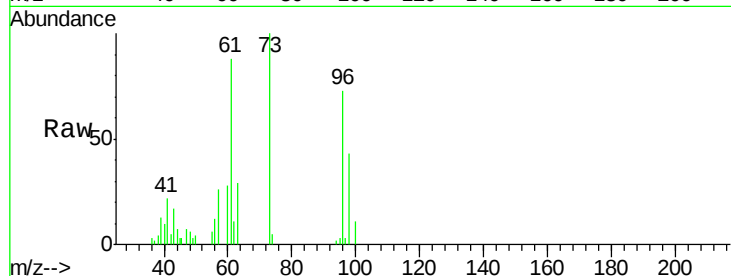




#17
Methvl tert-butvl Ether
Concen: 1.947 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

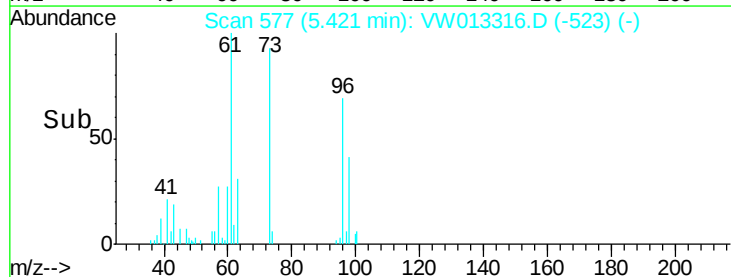
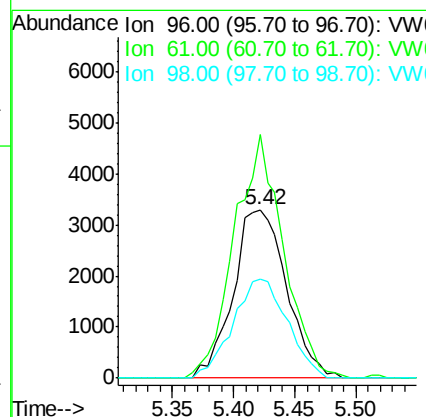
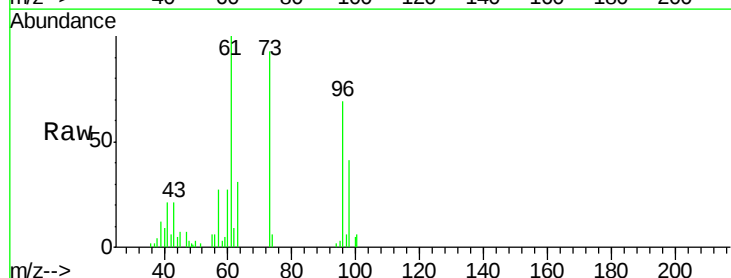
Instrument :
MSVOA_W
ClientSampleId :
MDL01

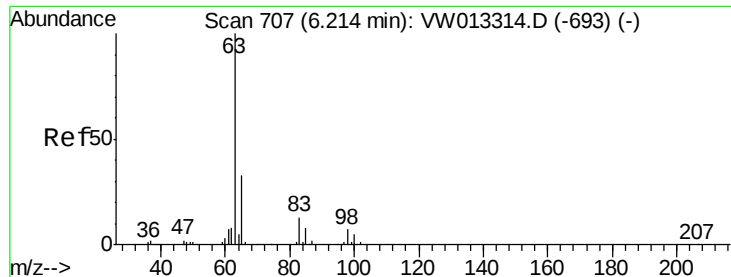
Tot Ion	Ratio	Lower	Upper
73	100		
43	11.9	15.3	22.9#
57	19.6	18.2	27.4



#18
trans-1,2-Dichloroethene
Concen: 2.057 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.7	91.2	169.4
98	59.0	44.7	82.9





#19

1,1-Dichloroethane

Concen: 1.992 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

MDL01

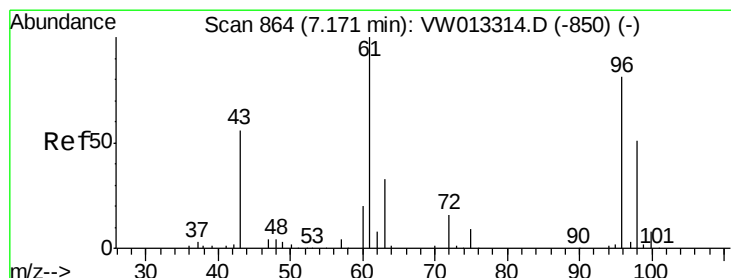
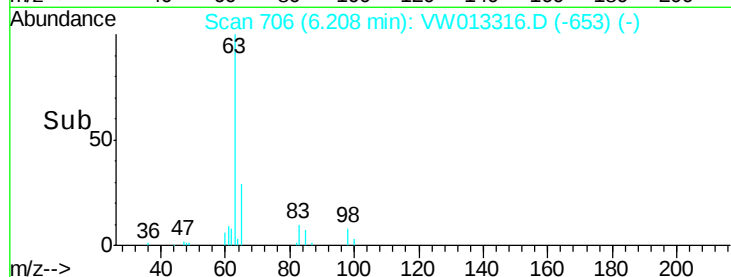
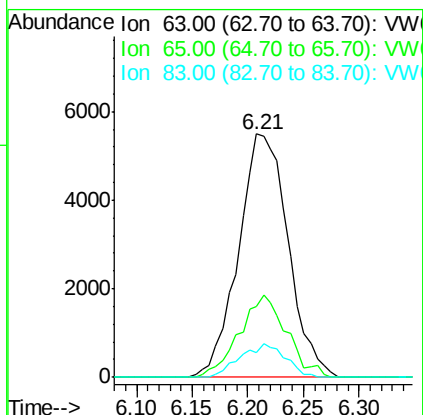
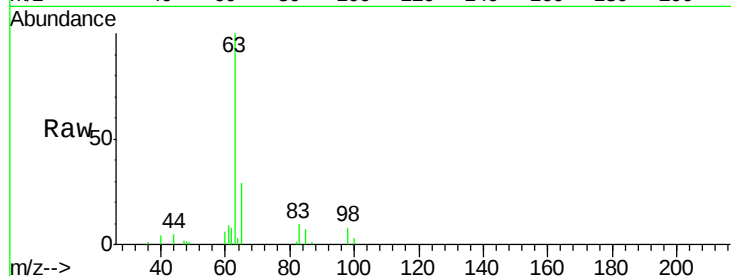
Tot Ion: 63 Resp: 17008

Ion Ratio Lower Upper

63 100

65 28.9 21.8 40.4

83 10.1 9.3 17.3



#21

2-Butanone

Concen: 6.515 ug/L m

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW013316.D

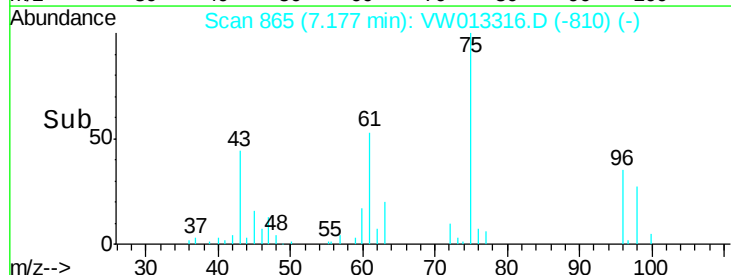
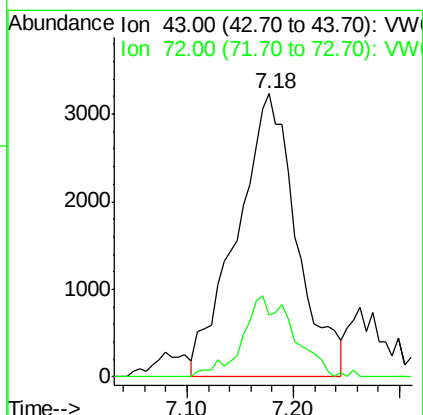
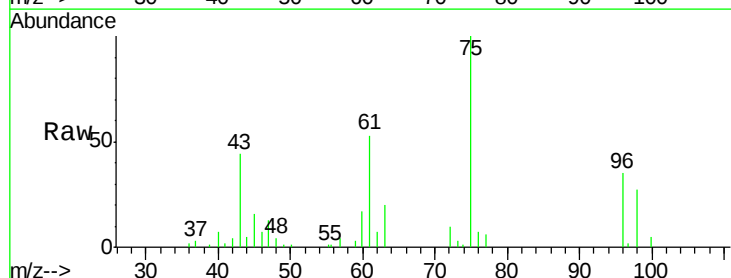
Acq: 27 Sep 2019 11:30

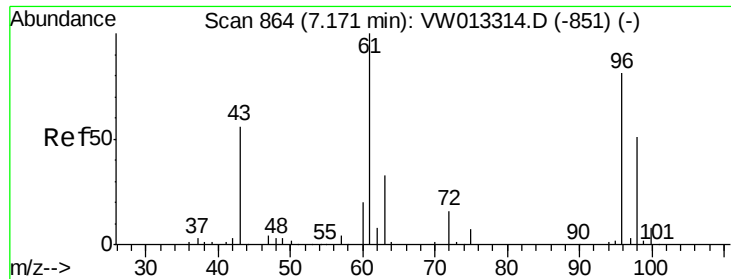
Tgt Ion: 43 Resp: 12713

Ion Ratio Lower Upper

43 100

72 11.6 13.2 39.6#

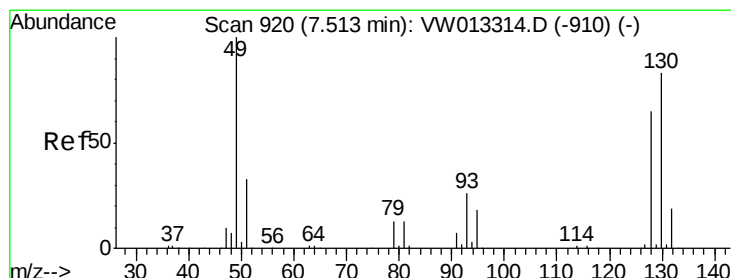
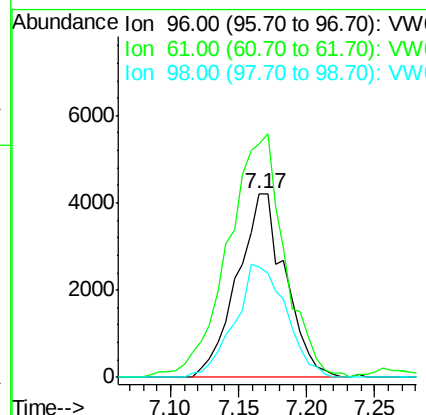
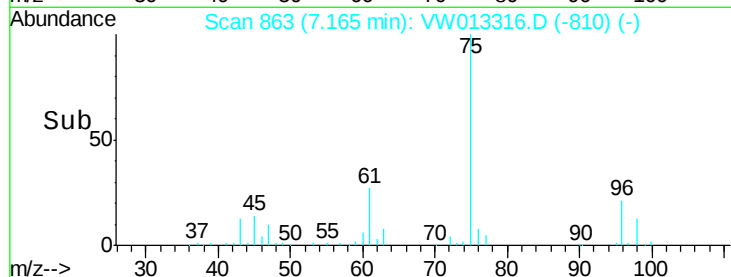
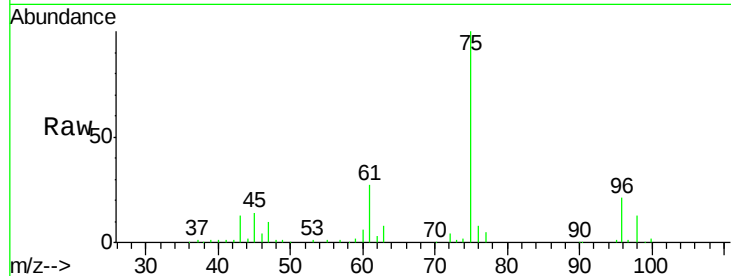




#22
 cis-1,2-Dichloroethene
 Concen: 1.957 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013316.D
 Acq: 27 Sep 2019 11:30

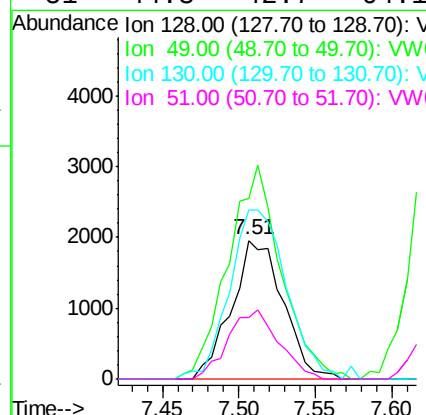
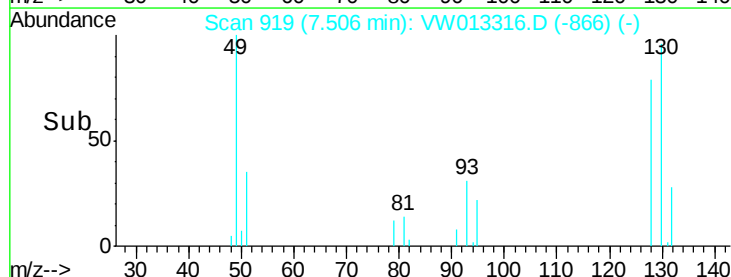
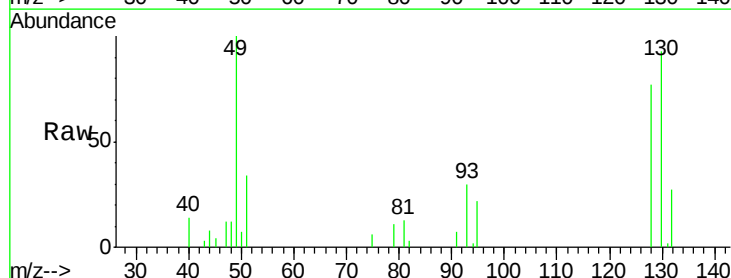
Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

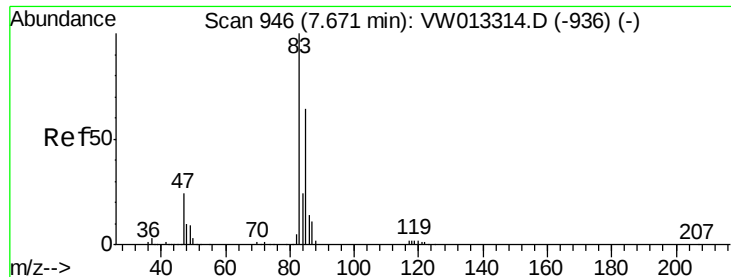
Tot Ion: 96 Resp: 10381
 Ion Ratio Lower Upper
 96 100
 61 126.7 86.0 159.6
 98 60.3 43.5 80.9



#23
 Bromochloromethane
 Concen: 1.918 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW013316.D
 Acq: 27 Sep 2019 11:30

Tgt Ion: 128 Resp: 4579
 Ion Ratio Lower Upper
 128 100
 49 130.3 114.6 212.8
 130 121.7 92.6 172.0
 51 44.3 42.7 64.1

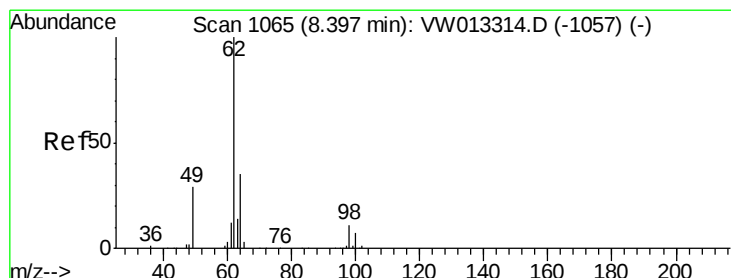
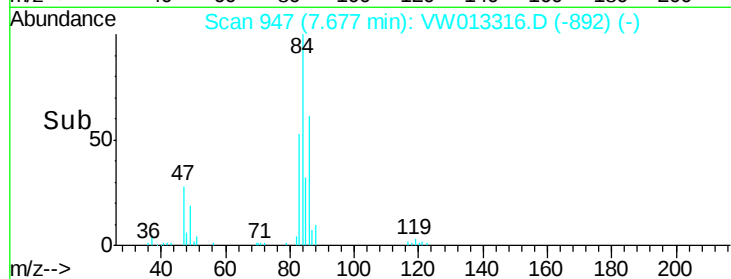
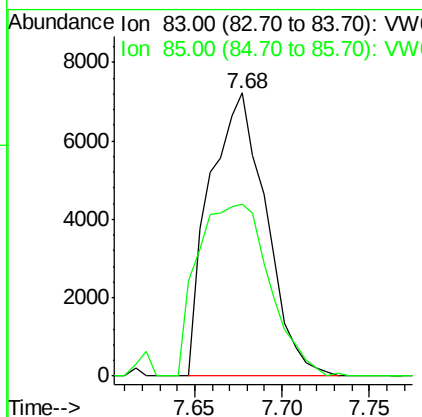
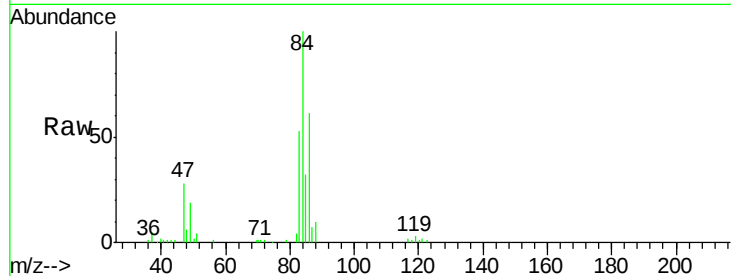




#25
Chloroform
Concen: 1.938 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

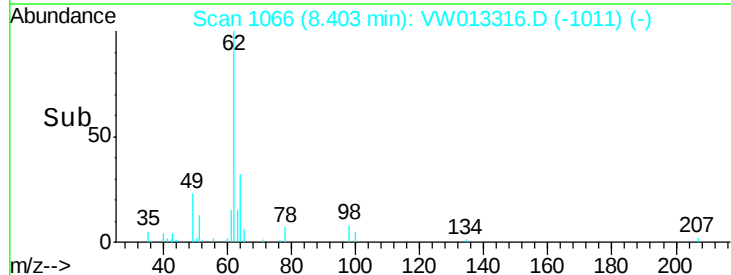
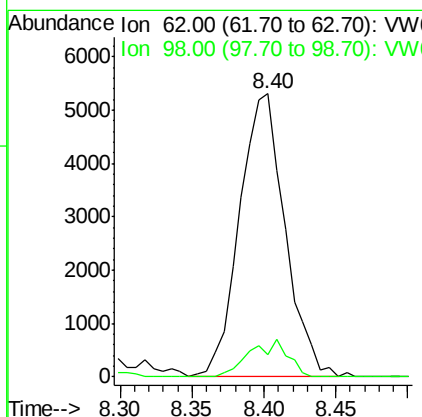
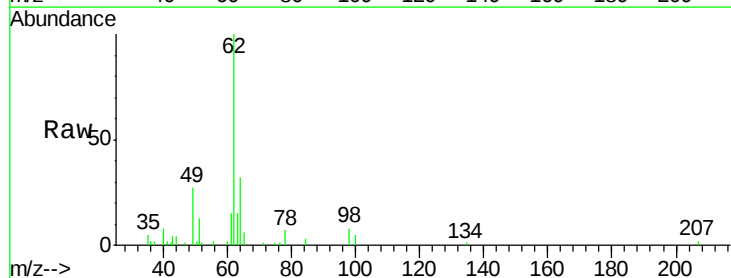
Instrument :
MSVOA_W
ClientSampled :
MDL01

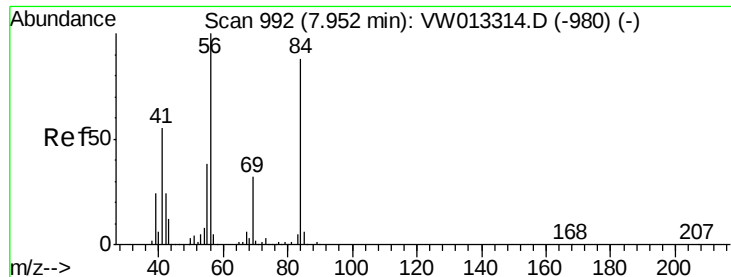
Tot Ion: 83 Resp: 16266
Ion Ratio Lower Upper
83 100
85 77.0 45.9 85.3



#27
1,2-Dichloroethane
Concen: 2.115 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

Tgt Ion: 62 Resp: 11624
Ion Ratio Lower Upper
62 100
98 7.9 9.0 13.6#

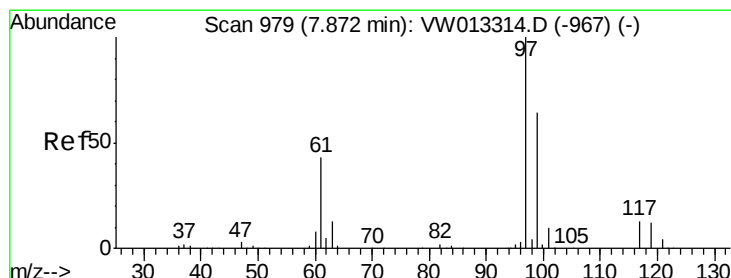
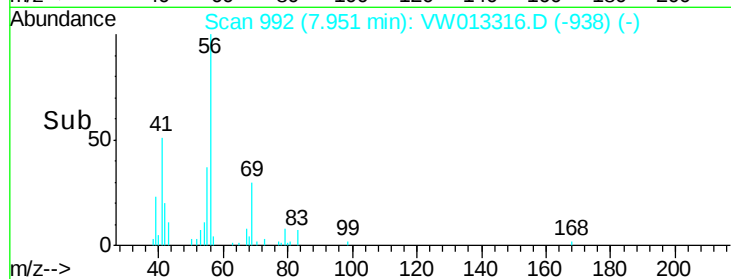
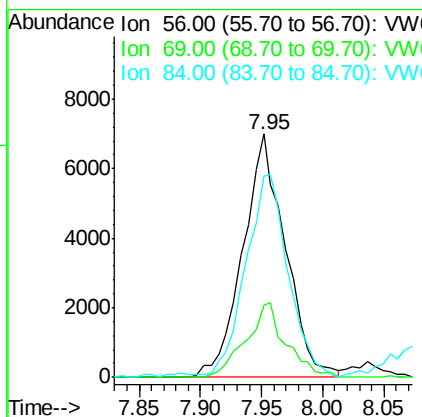
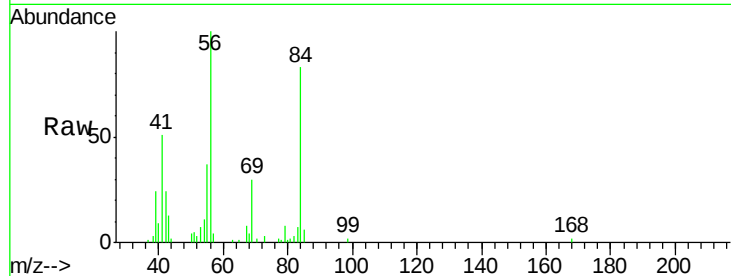




#30
Cyclohexane
Concen: 2.036 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

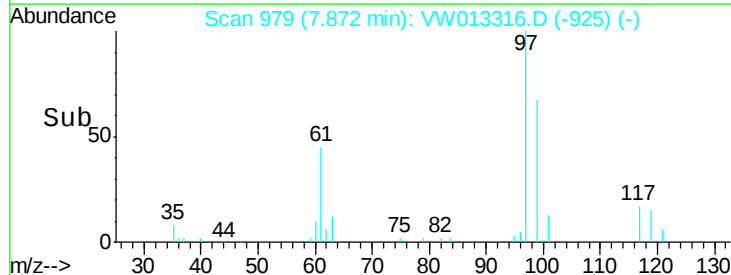
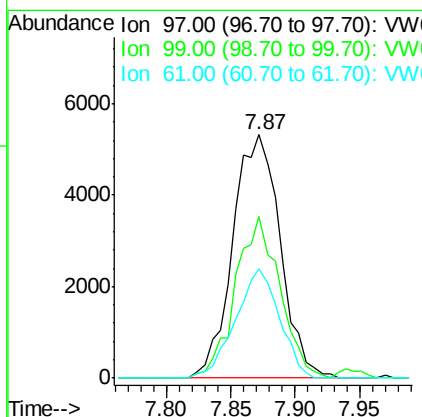
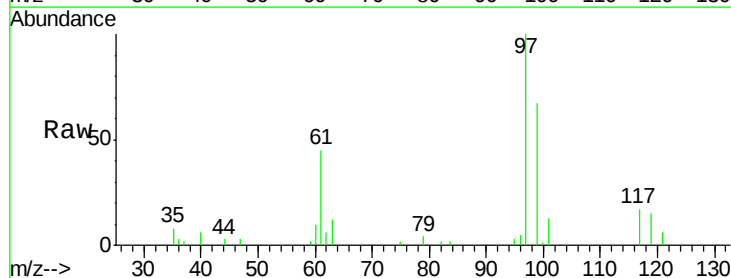
Instrument :
MSVOA_W
ClientSampleId :
MDL01

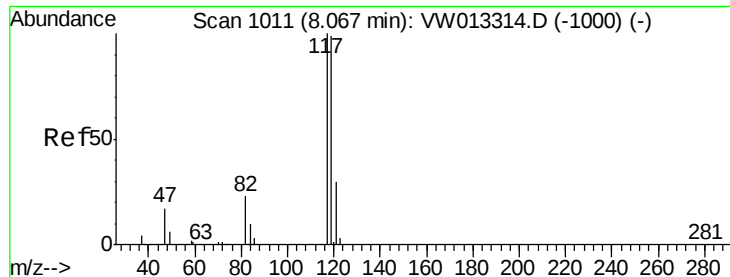
Tot Ion	56	Resp	16855
Ion Ratio	Lower	Upper	
56	100		
69	28.6	24.6	37.0
84	83.7	69.5	104.3



#31
1,1,1-Trichloroethane
Concen: 2.054 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

Tgt Ion	97	Resp	13586
Ion Ratio	Lower	Upper	
97	100		
99	62.4	50.6	75.8
61	41.4	34.2	51.2





#32

Carbon tetrachloride

Concen: 1.957 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

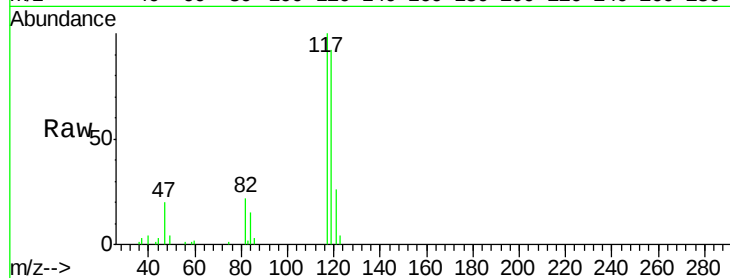
MDL01

Tot Ion:117 Resp: 12342

Ion Ratio Lower Upper

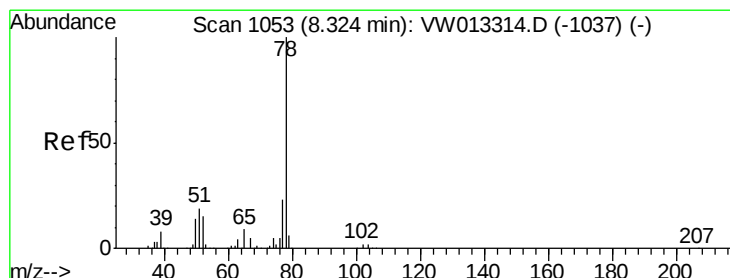
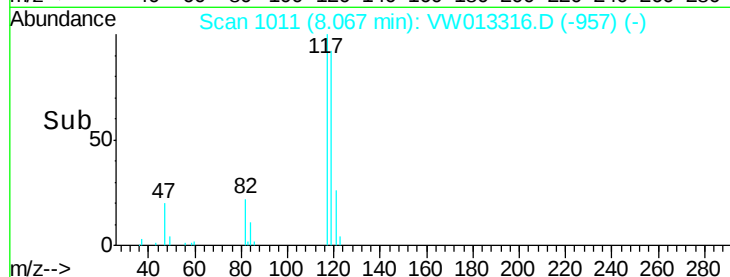
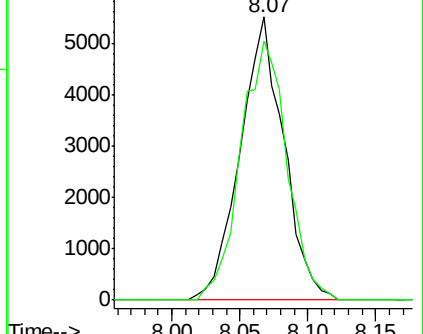
117 100

119 97.6 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: 2.040 ug/L m

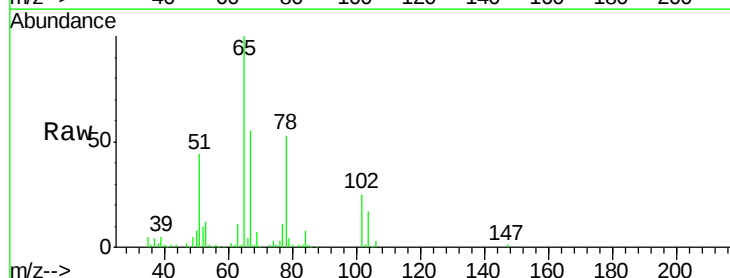
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

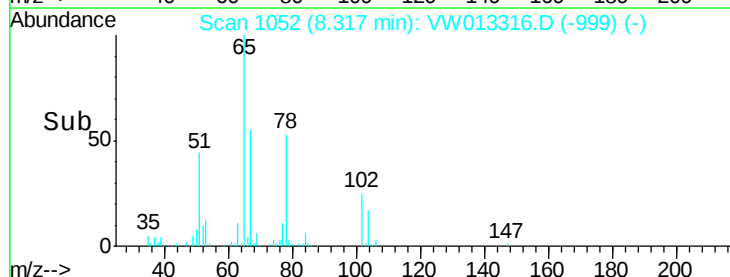
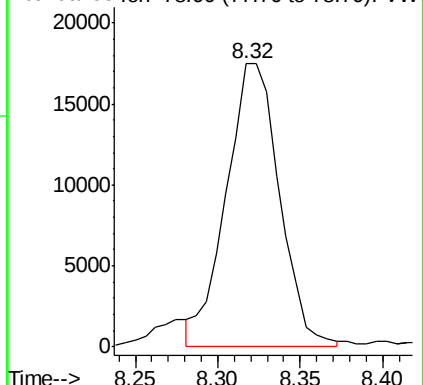
Lab File: VW013316.D

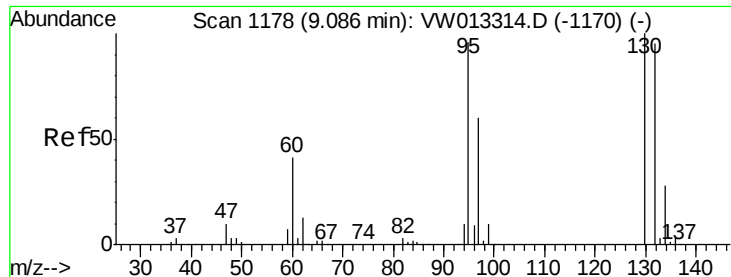
Acq: 27 Sep 2019 11:30

Tgt Ion: 78 Resp: 39409



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.071 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion: 95 Resp: 10512

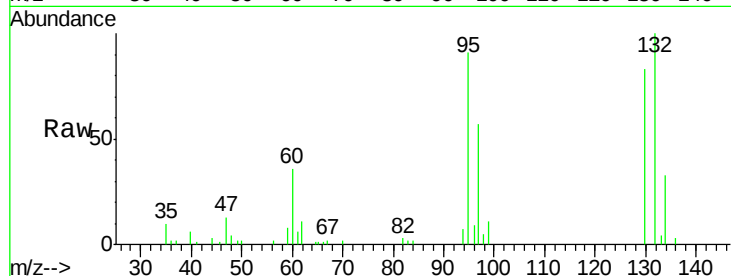
Ion Ratio Lower Upper

95 100

97 60.5 44.3 82.3

132 104.3 71.7 133.3

130 100.8 74.1 137.7

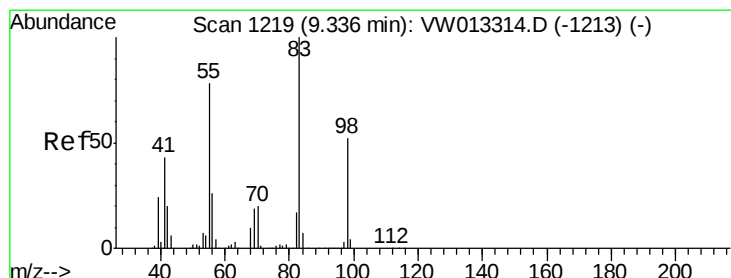
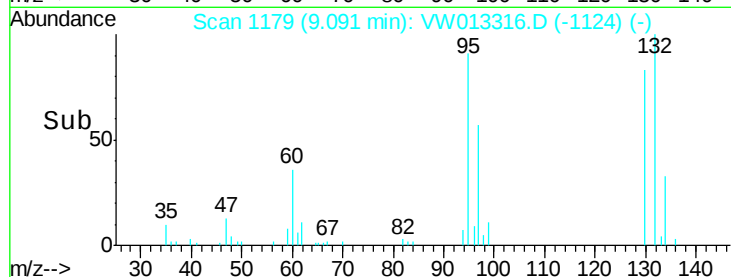
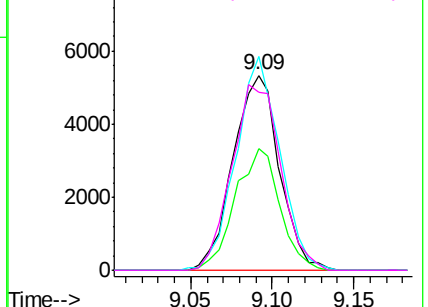


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 2.018 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

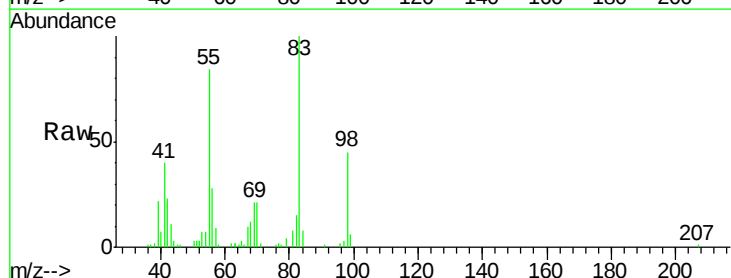
Tgt Ion: 83 Resp: 18251

Ion Ratio Lower Upper

83 100

55 81.2 61.8 92.6

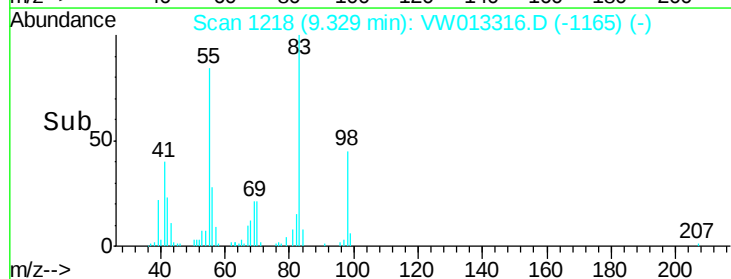
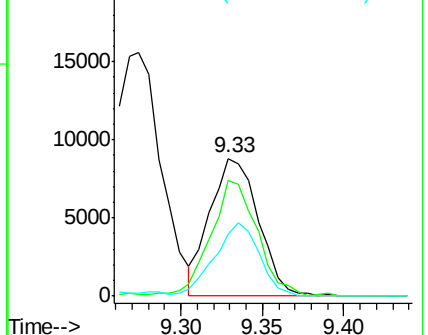
98 49.1 39.6 59.4

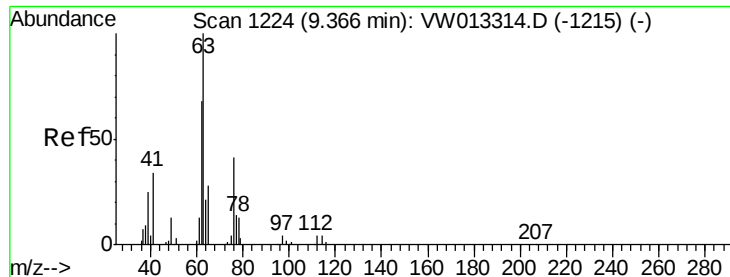


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 2.120 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

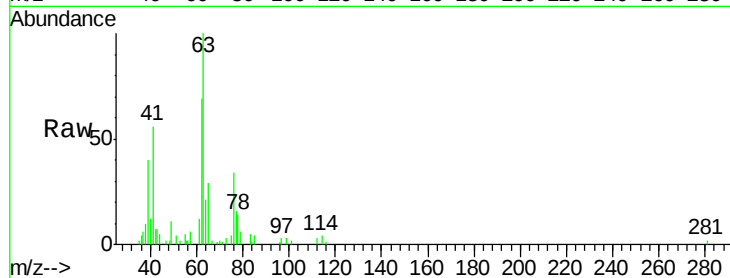
MDL01

Tot Ion: 63 Resp: 10079

Ion Ratio Lower Upper

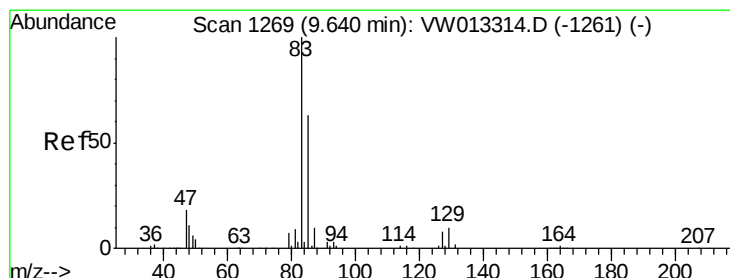
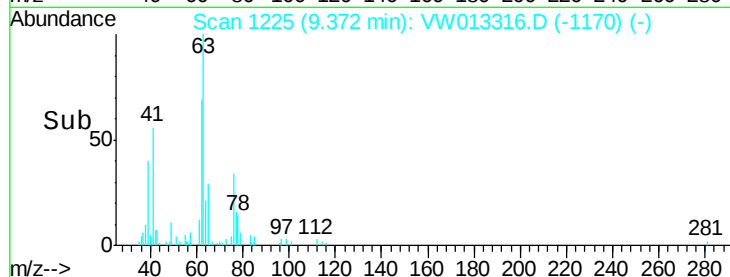
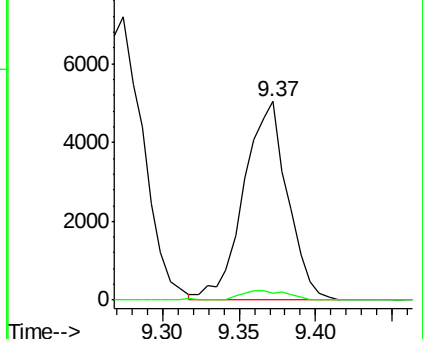
63 100

112 4.9 4.1 6.1



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 1.931 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

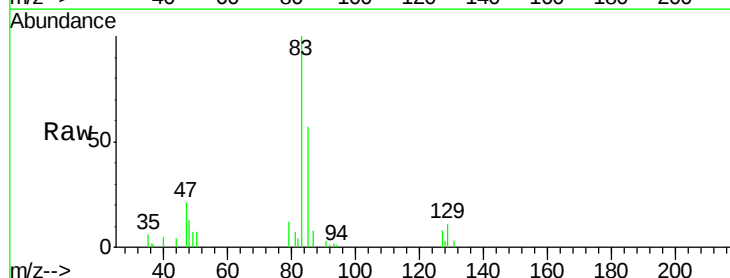
Tgt Ion: 83 Resp: 11265

Ion Ratio Lower Upper

83 100

85 56.5 43.8 81.4

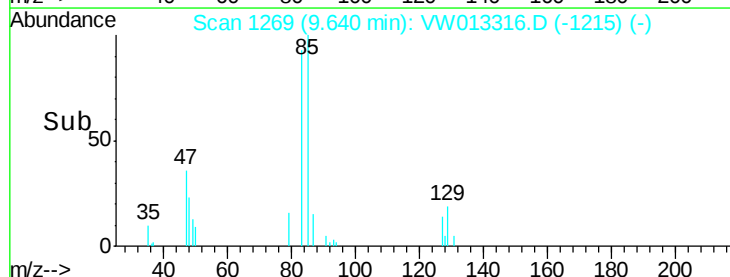
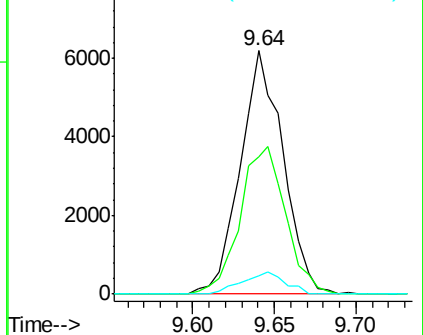
127 7.5 7.0 10.6

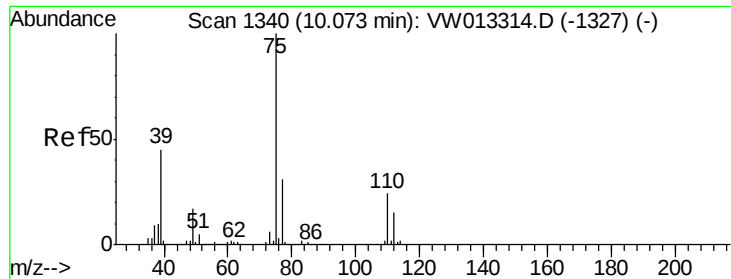


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 1.886 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

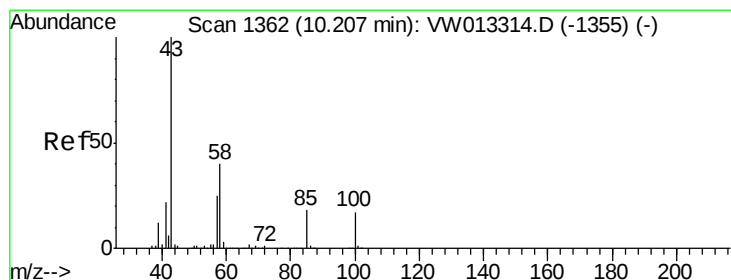
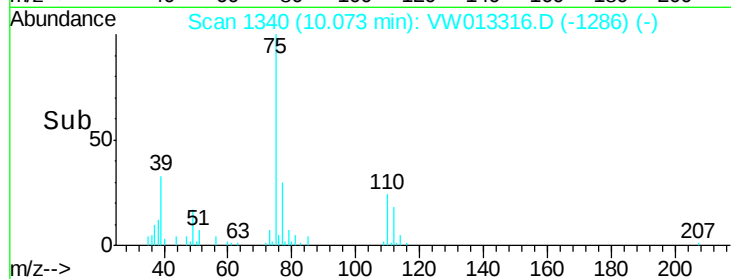
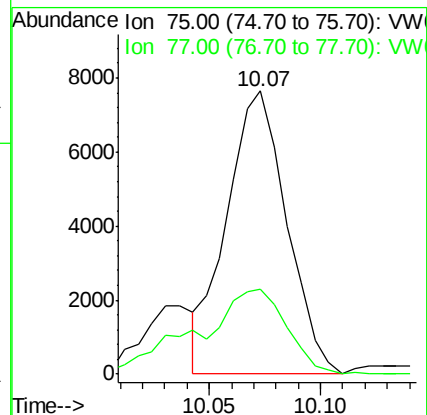
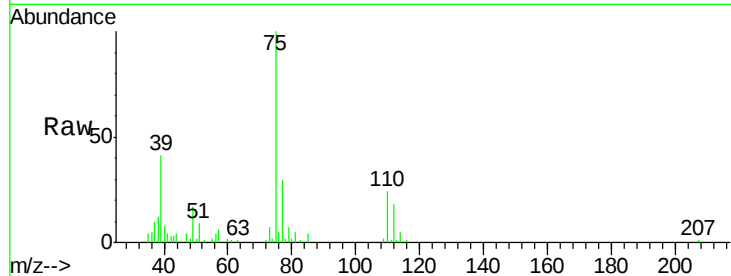
MDL01

Tot Ion: 75 Resp: 14321

Ion Ratio Lower Upper

75 100

77 30.2 21.3 39.5



#43

4-Methyl-2-pentanone

Concen: 5.223 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

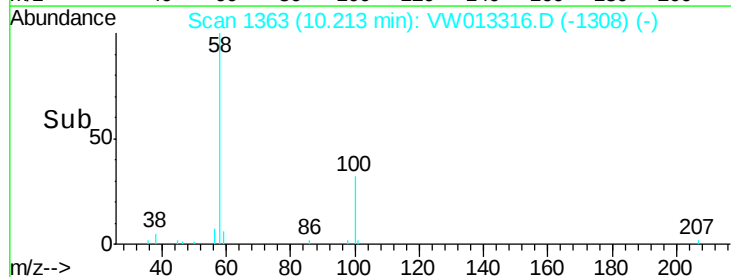
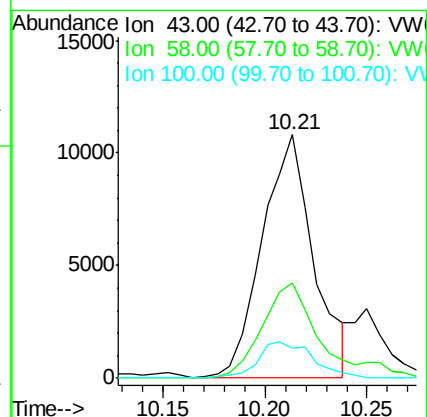
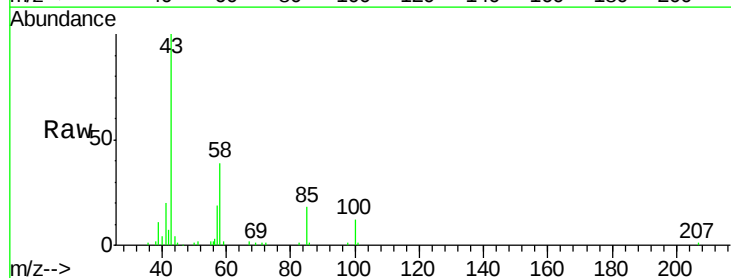
Tgt Ion: 43 Resp: 19007

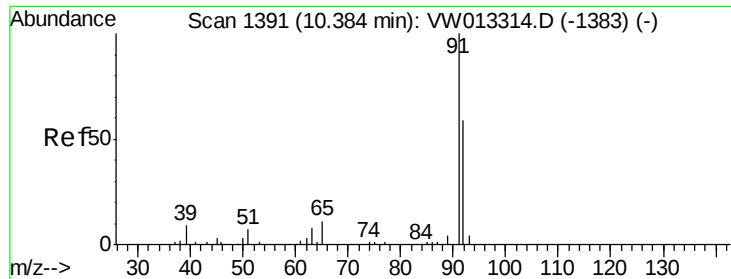
Ion Ratio Lower Upper

43 100

58 40.3 32.7 49.1

100 16.0 12.9 19.3





#44

Toluene

Concen: 2.071 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

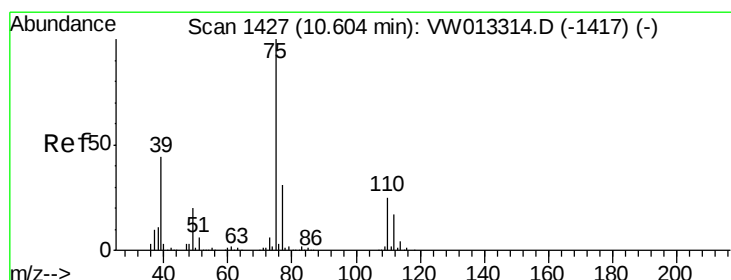
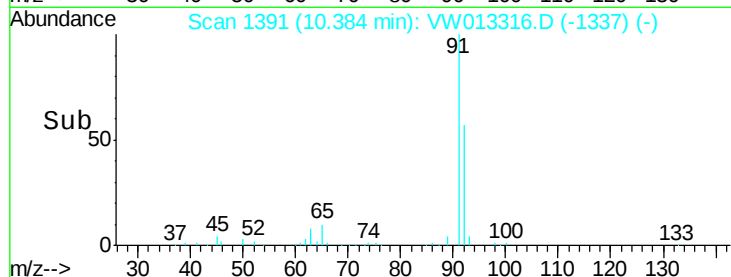
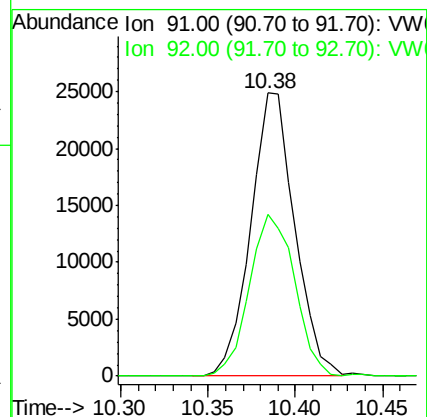
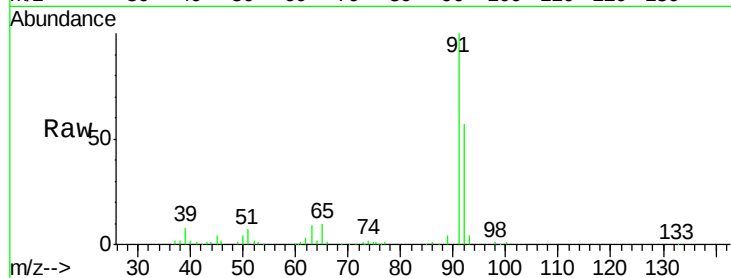
MDL01

Tot Ion: 91 Resp: 43573

Ion Ratio Lower Upper

91 100

92 57.1 41.5 77.1



#45

trans-1,3-Dichloropropene

Concen: 2.048 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013316.D

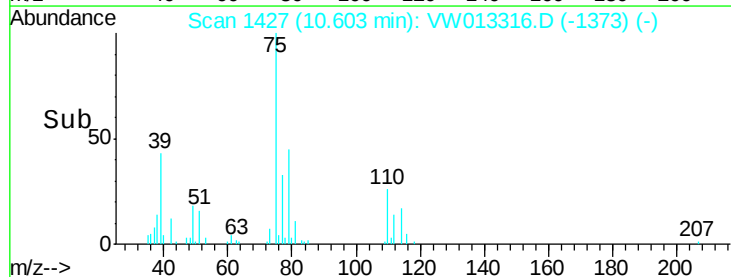
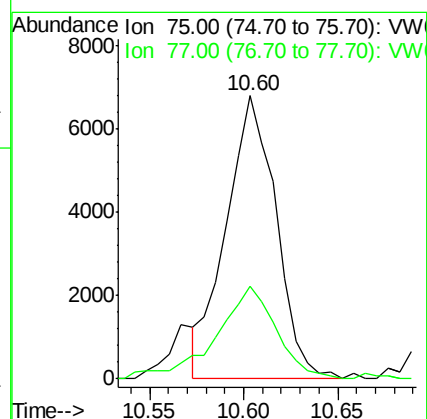
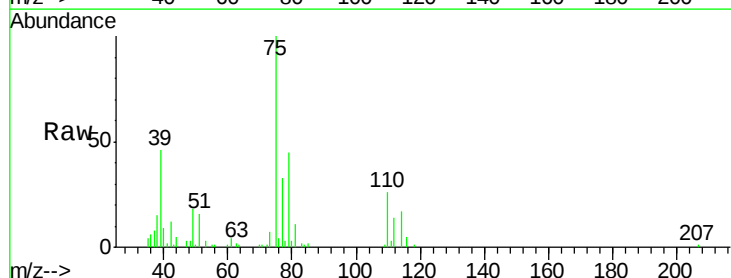
Acq: 27 Sep 2019 11:30

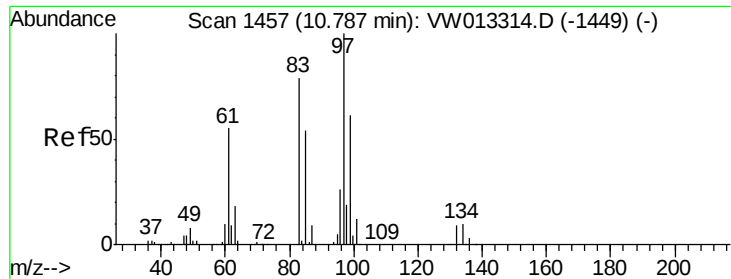
Tgt Ion: 75 Resp: 12501

Ion Ratio Lower Upper

75 100

77 32.9 20.5 38.1

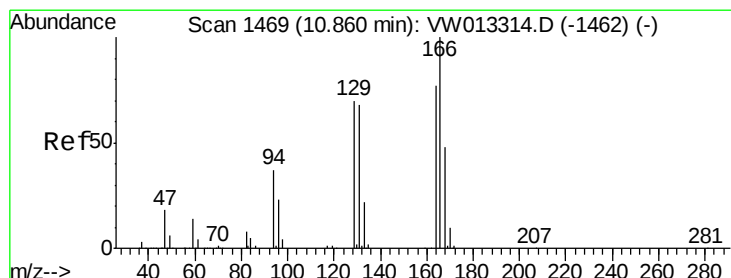
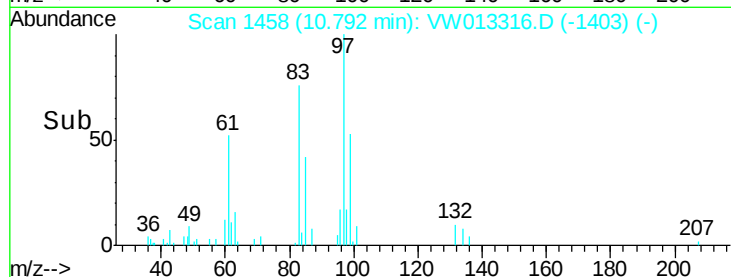
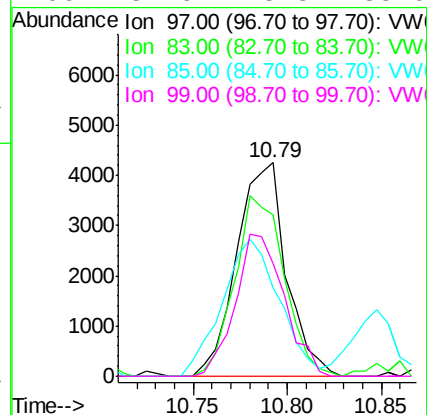
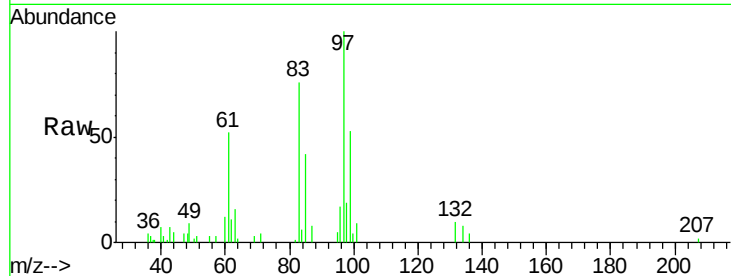




#46
1,1,2-Trichloroethane
Concen: 2.089 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

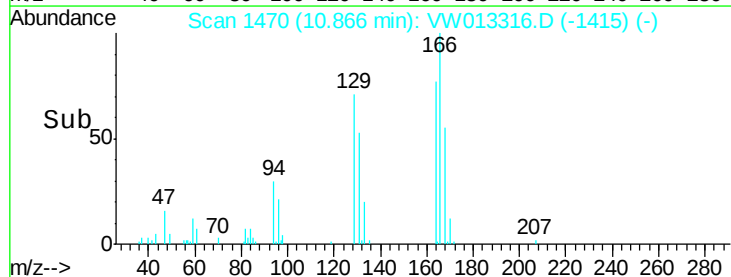
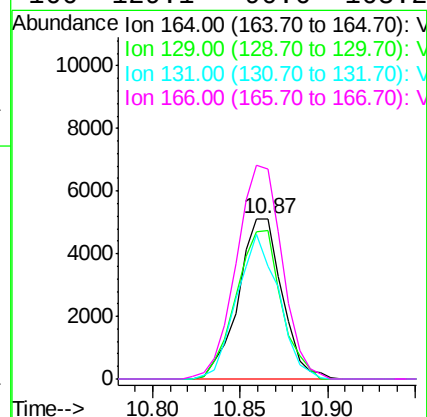
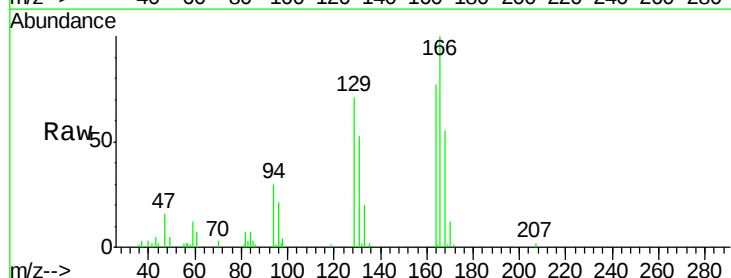
Instrument :
MSVOA_W
ClientSampled :
MDL01

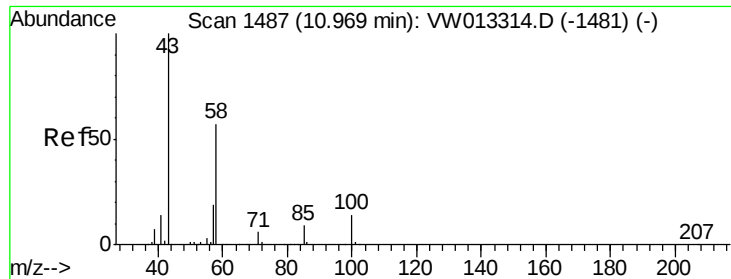
Tot Ion: 97 Resp: 7780
Ion Ratio Lower Upper
97 100
83 75.6 59.4 110.2
85 41.5 38.7 71.9
99 52.6 45.8 85.0



#47
Tetrachloroethene
Concen: 1.955 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

Tgt Ion: 164 Resp: 8932
Ion Ratio Lower Upper
164 100
129 91.8 60.5 112.5
131 69.1 60.6 112.6
166 129.1 90.6 168.2

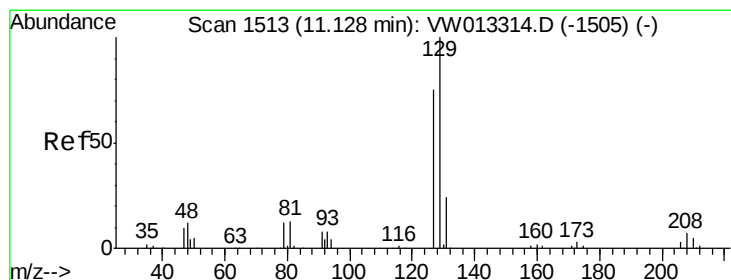
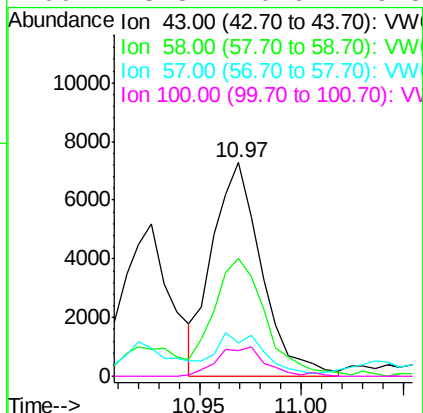
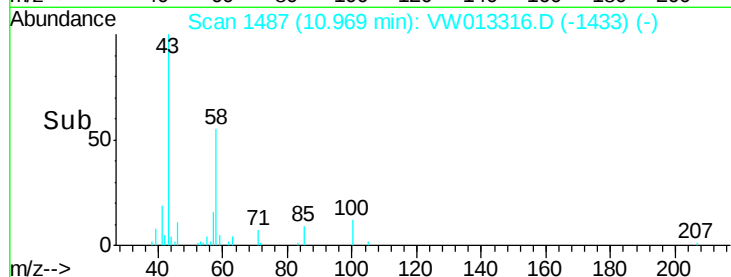
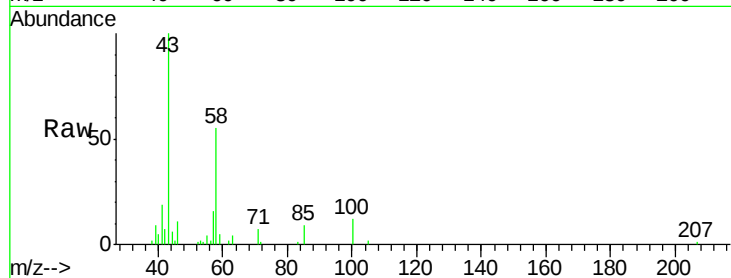




#49
2-Hexanone
Concen: 4.647 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

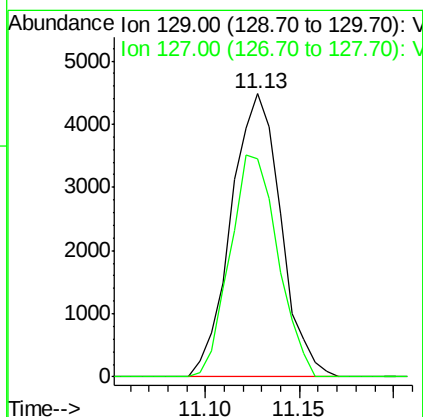
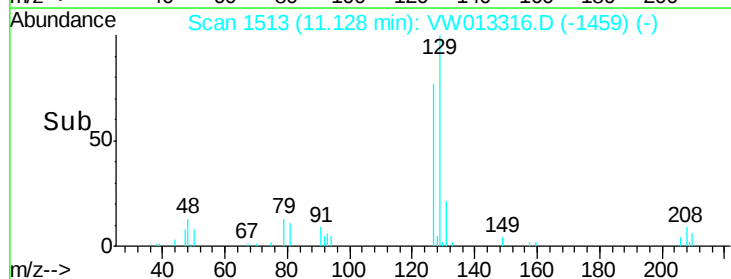
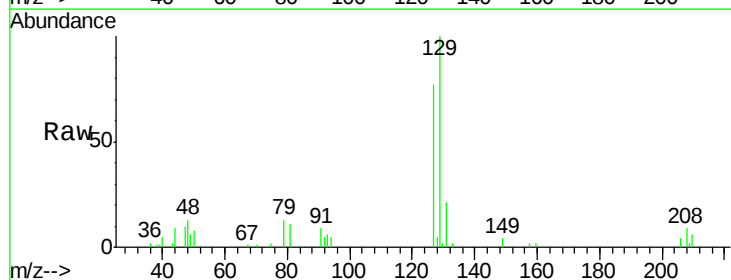
Instrument :
MSVOA_W
ClientSampleID :
MDL01

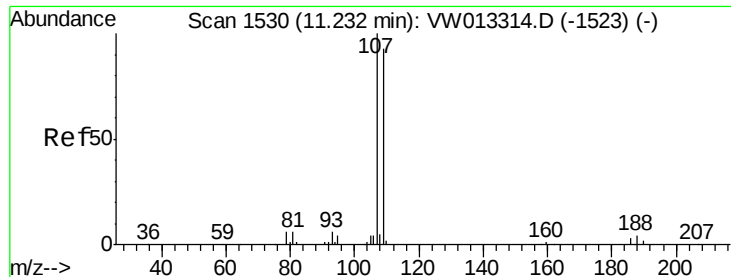
Tot Ion:	43	Resp:	12157
Ion	Ratio	Lower	Upper
43	100		
58	58.0	44.3	66.5
57	19.1	15.3	22.9
100	13.3	10.6	15.8



#50
Dibromochloromethane
Concen: 1.924 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

Tgt Ion:	129	Resp:	8221
Ion	Ratio	Lower	Upper
129	100		
127	77.1	56.1	104.1

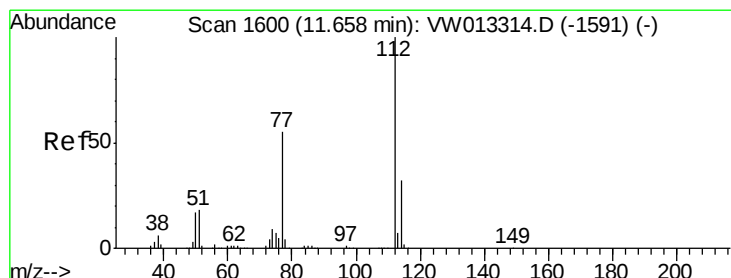
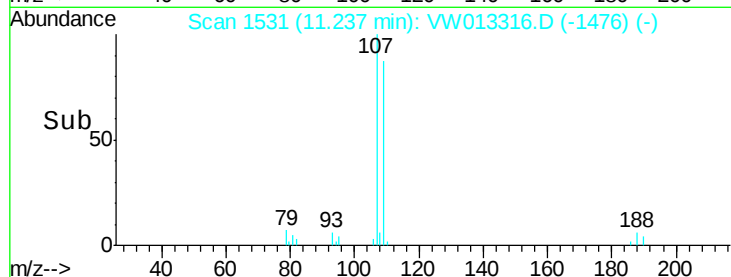
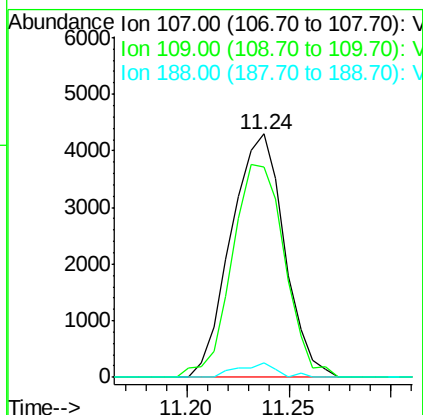
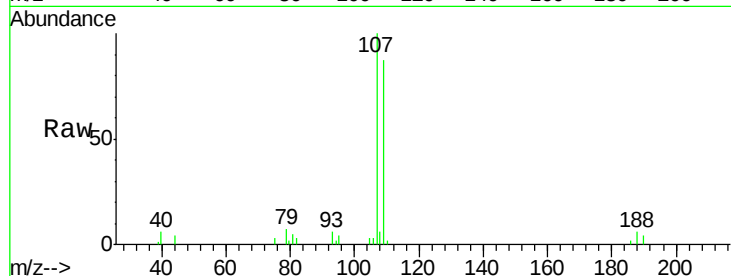




#51
1,2-Dibromoethane
Concen: 2.136 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

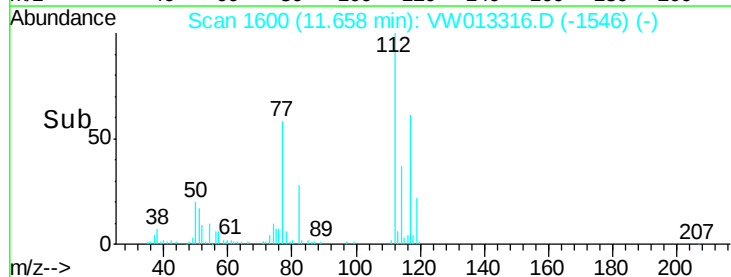
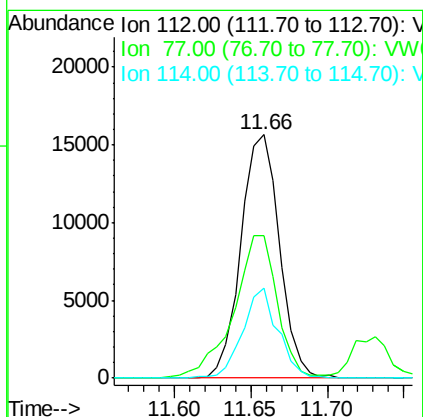
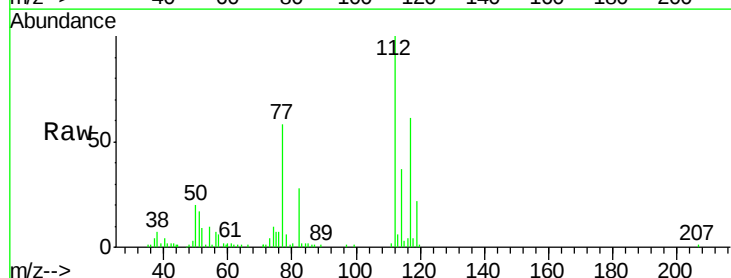
Instrument :
MSVOA_W
ClientSampleId :
MDL01

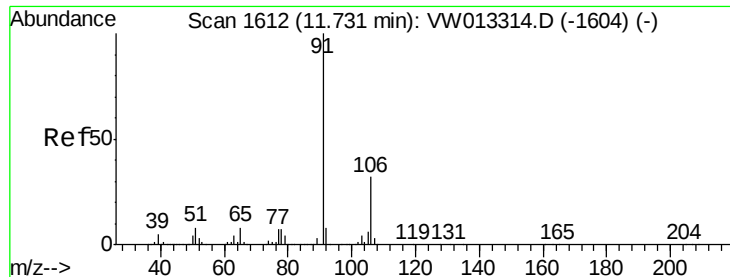
Tot Ion:107 Resp: 7817
Ion Ratio Lower Upper
107 100
109 86.6 65.5 121.6
188 5.7 3.0 4.6#



#52
Chlorobenzene
Concen: 2.072 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

Tgt Ion:112 Resp: 27469
Ion Ratio Lower Upper
112 100
77 58.3 46.5 69.7
114 36.8 23.0 42.8





#53

Ethylbenzene

Concen: 1.946 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

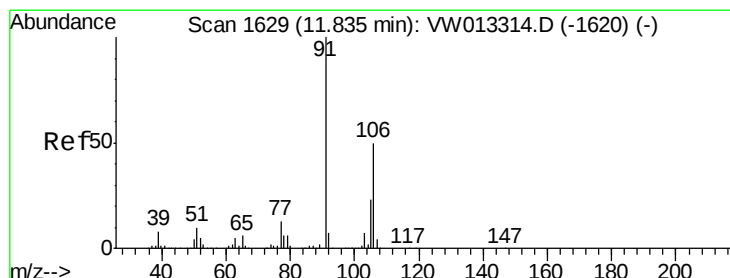
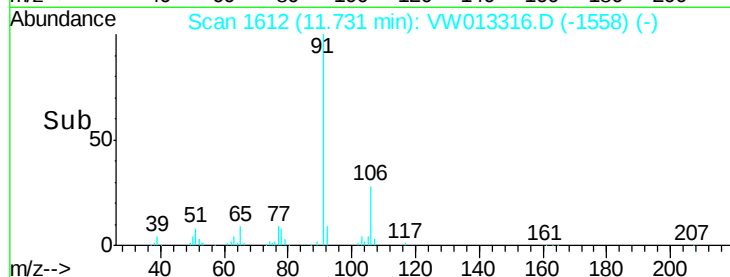
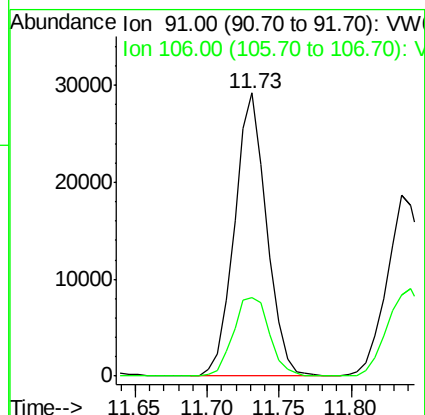
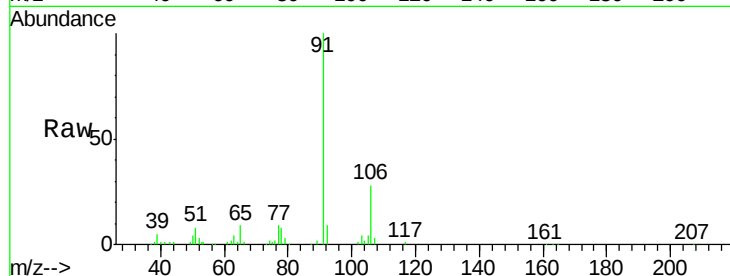
MDL01

Tot Ion: 91 Resp: 45389

Ion Ratio Lower Upper

91 100

106 27.8 20.8 38.6



#54

m,p-Xylene

Concen: 1.937 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW013316.D

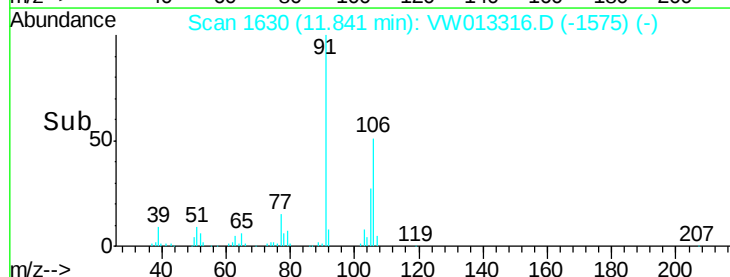
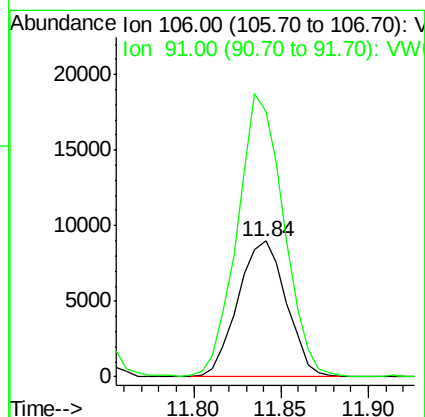
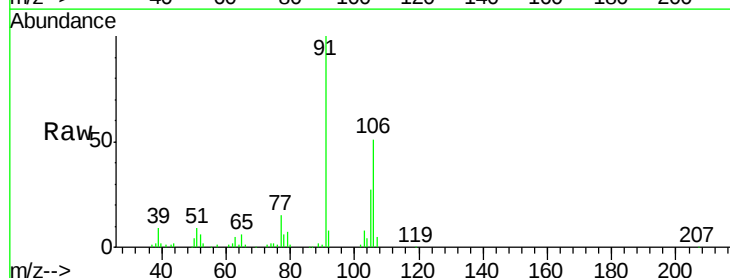
Acq: 27 Sep 2019 11:30

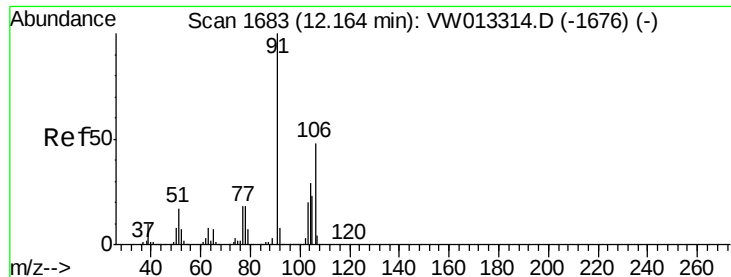
Tgt Ion:106 Resp: 17341

Ion Ratio Lower Upper

106 100

91 195.3 138.3 256.9

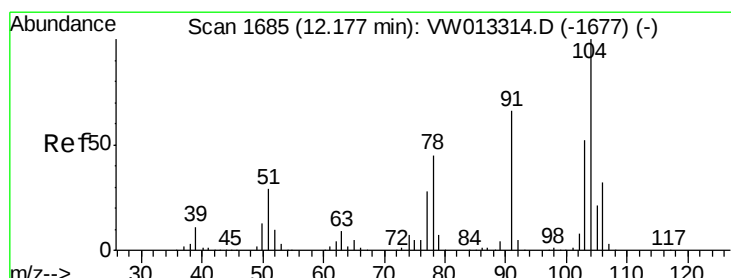
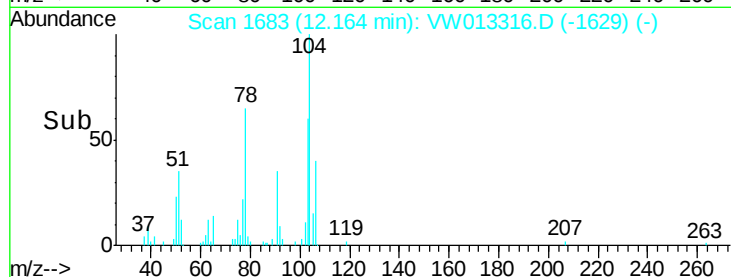
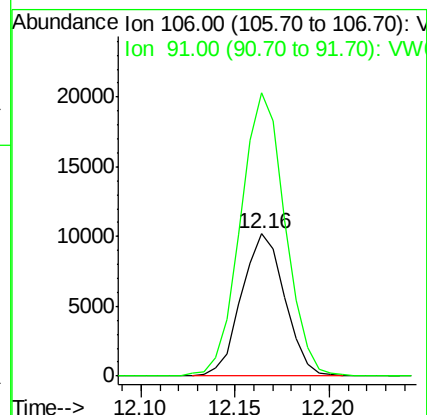
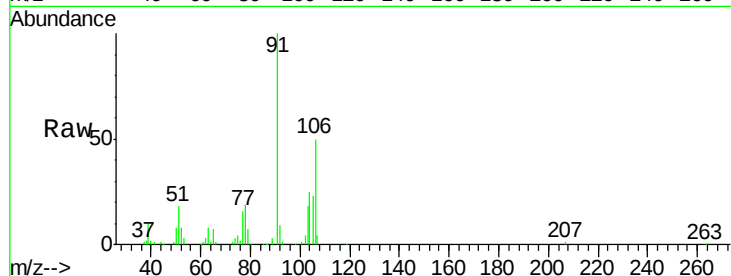




#55
o-xylene
Concen: 1.921 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

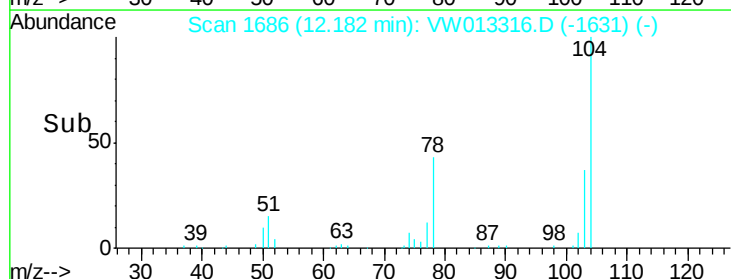
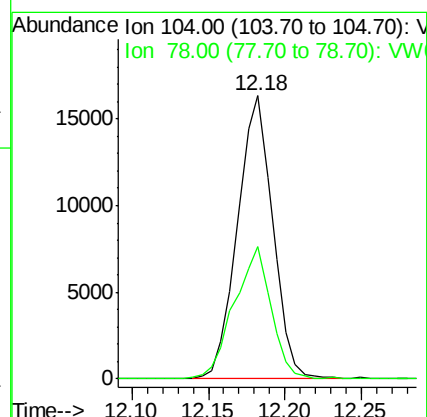
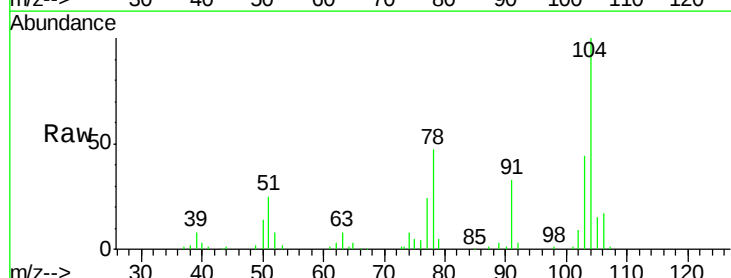
Instrument :
MSVOA_W
ClientSampled :
MDL01

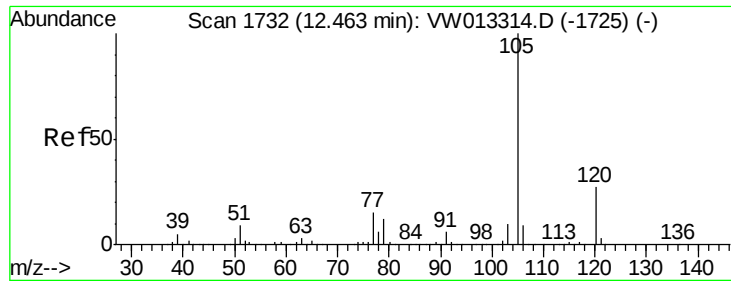
Tot Ion:106 Resp: 16233
Ion Ratio Lower Upper
106 100
91 198.9 145.9 271.1



#56
Styrene
Concen: 1.803 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

Tgt Ion:104 Resp: 26127
Ion Ratio Lower Upper
104 100
78 46.9 29.8 55.4





#57

Isopropylbenzene

Concen: 1.819 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

MDL01

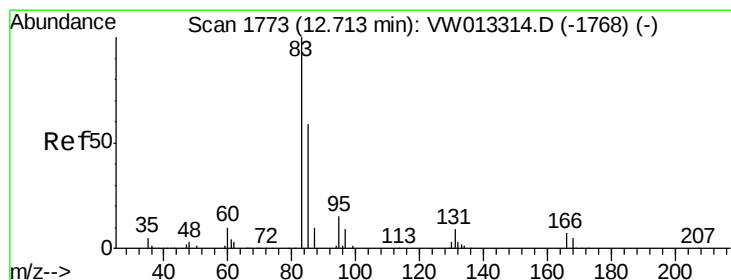
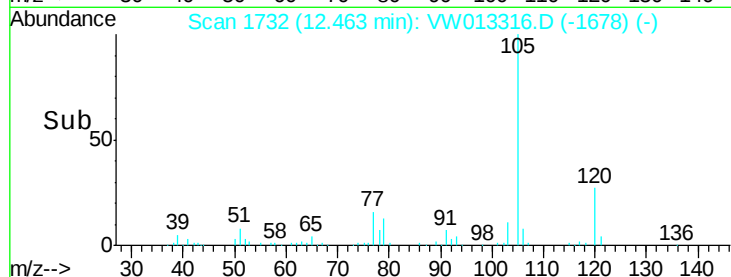
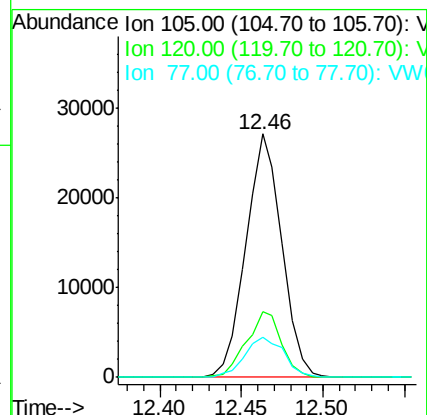
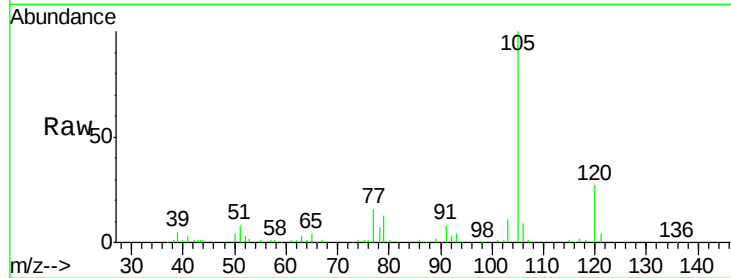
Tot Ion:105 Resp: 41561

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.2

77 18.0 11.8 17.6#



#58

1,1,2,2-Tetrachloroethane

Concen: 2.042 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

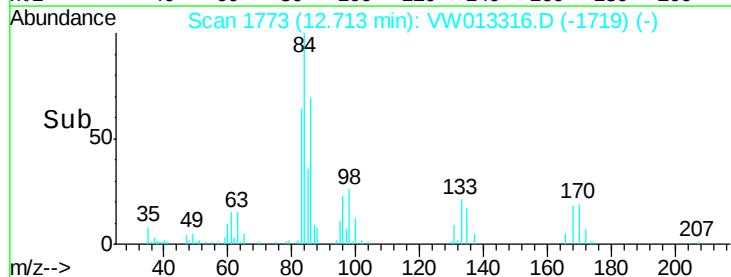
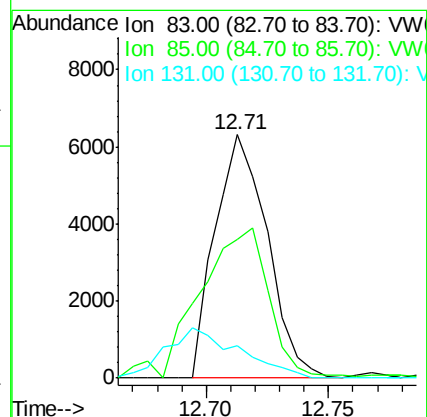
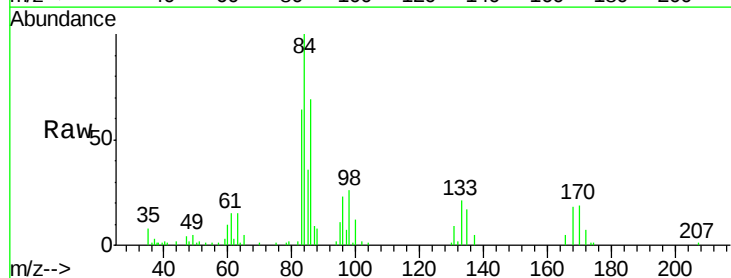
Tgt Ion: 83 Resp: 9369

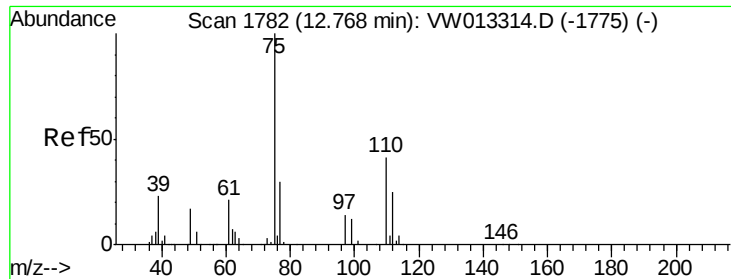
Ion Ratio Lower Upper

83 100

85 56.9 45.2 84.0

131 16.8 8.9 13.3#





#59

1,2,3-Trichloropropane

Concen: 2.179 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

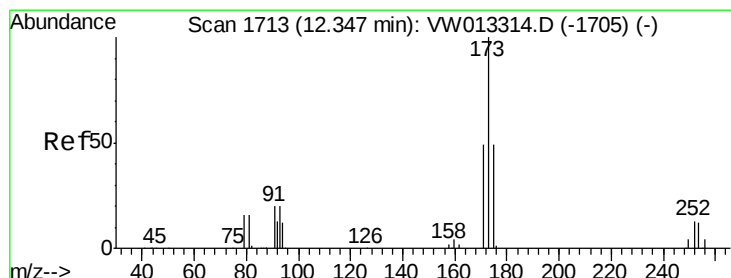
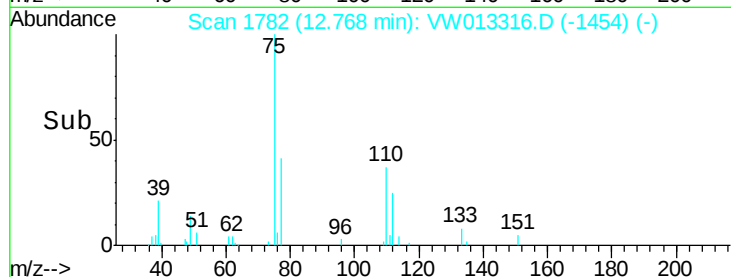
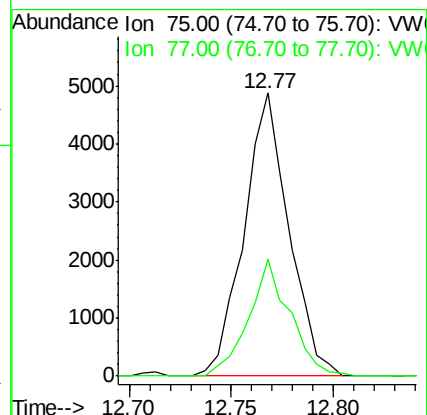
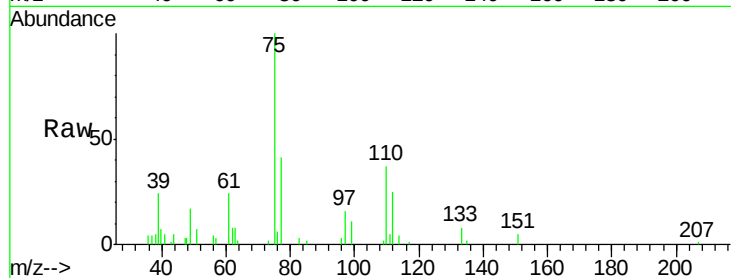
MDL01

Tot Ion: 75 Resp: 7460

Ion Ratio Lower Upper

75 100

77 37.9 25.8 38.8



#62

Bromoform

Concen: 1.882 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

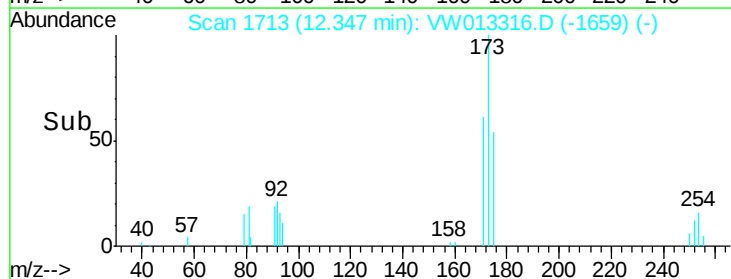
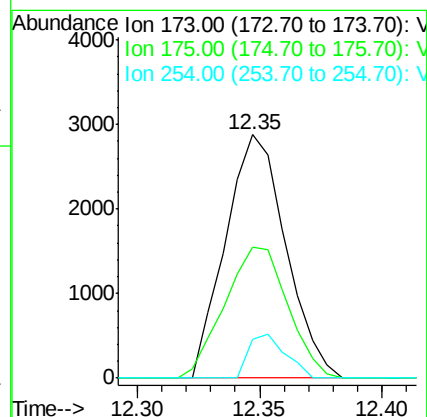
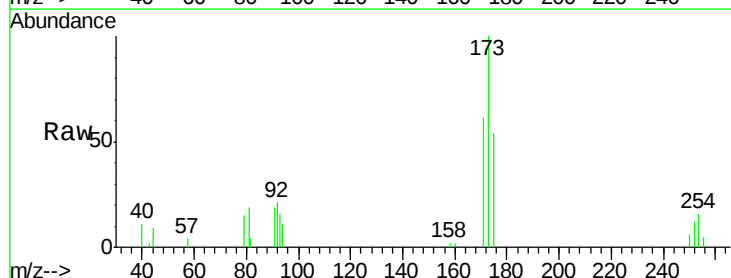
Tgt Ion: 173 Resp: 4933

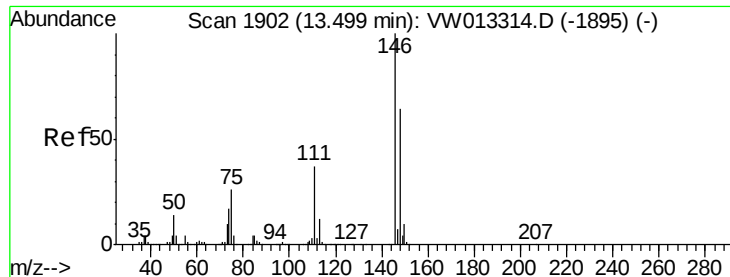
Ion Ratio Lower Upper

173 100

175 56.5 39.3 58.9

254 11.0 9.1 13.7

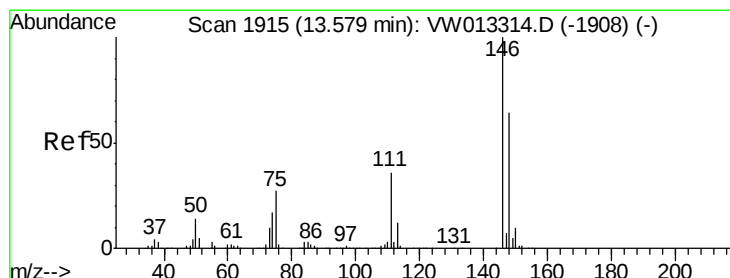
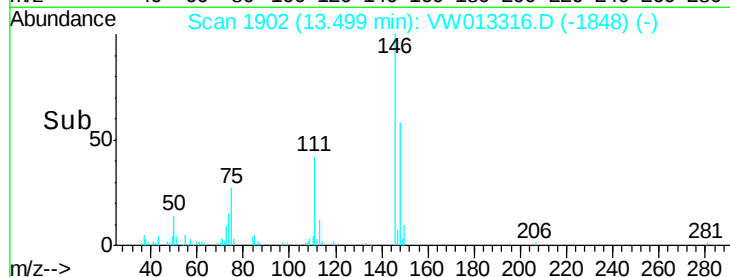
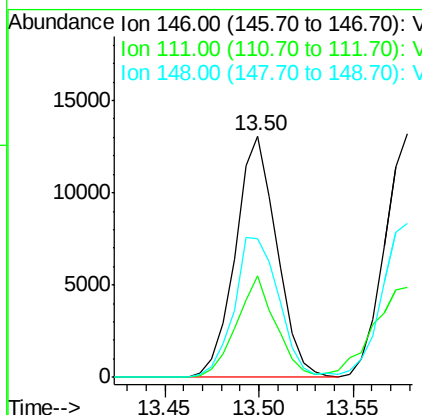
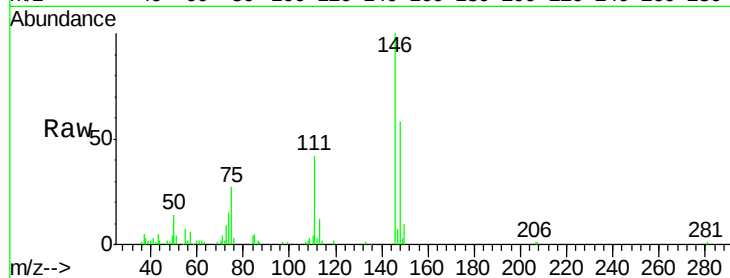




#63
 1,3-Dichlorobenzene
 Concen: 1.953 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013316.D
 Acq: 27 Sep 2019 11:30

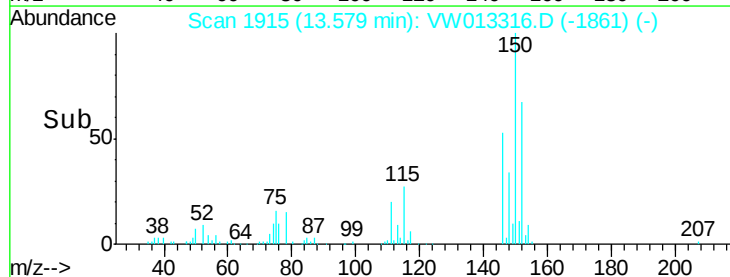
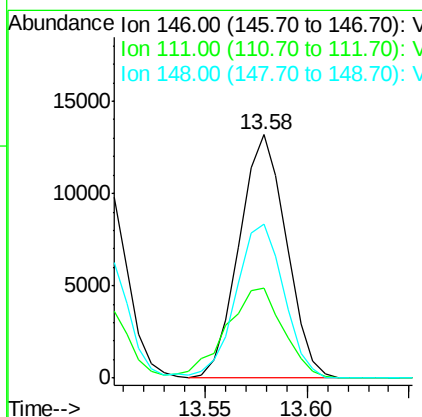
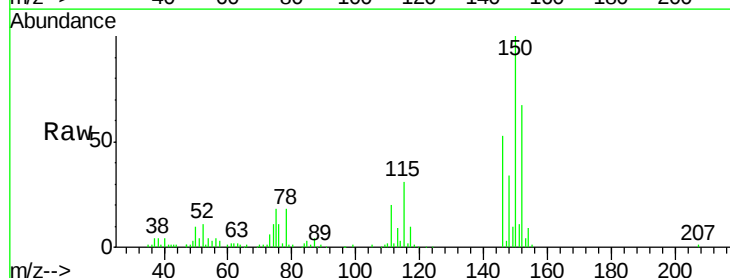
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

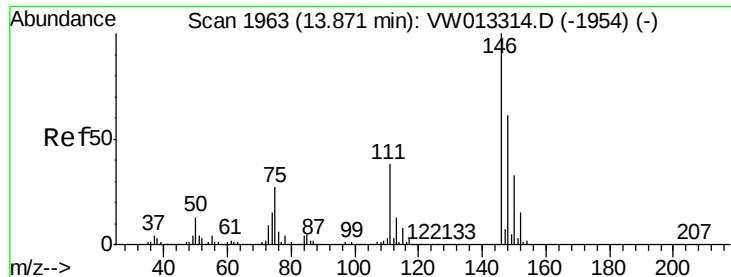
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	26.7	49.5
148	57.5	45.0	83.6



#64
 1,4-Dichlorobenzene
 Concen: 2.057 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013316.D
 Acq: 27 Sep 2019 11:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	24.2	45.0
148	63.2	45.1	83.7





#65

1,2-Dichlorobenzene

Concen: 2.001 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

MDL01

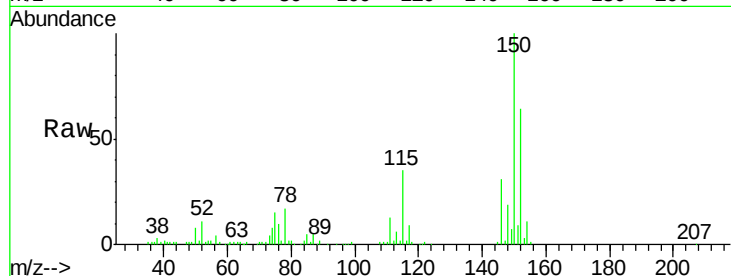
Tot Ion:146 Resp: 18569

Ion Ratio Lower Upper

146 100

111 40.4 30.8 46.2

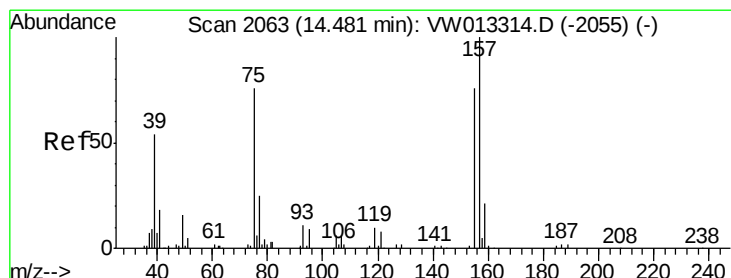
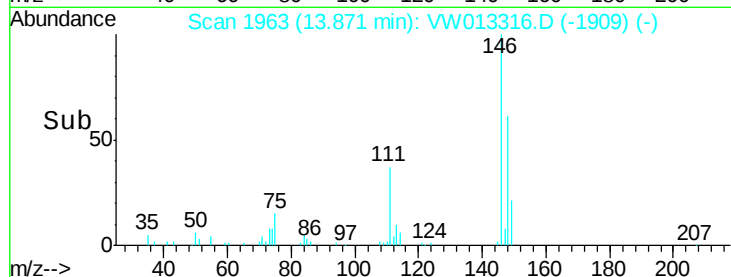
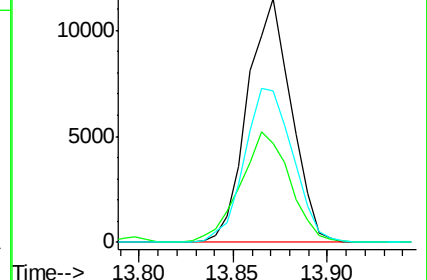
148 62.3 52.5 78.7



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: 2.303 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

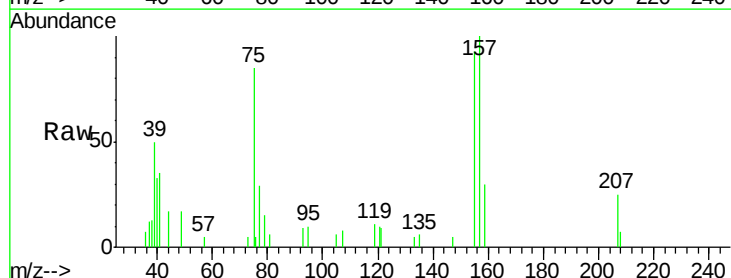
Tgt Ion: 75 Resp: 1683

Ion Ratio Lower Upper

75 100

157 111.1 97.8 146.8

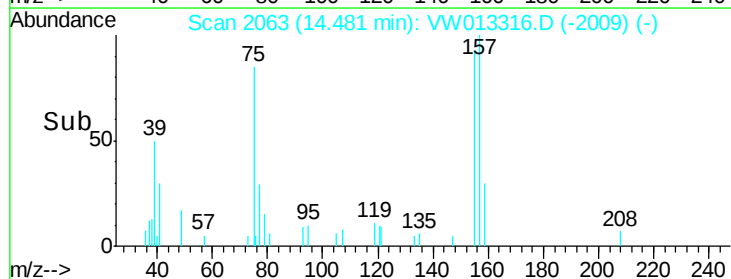
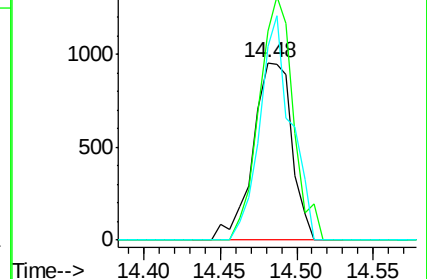
155 103.0 78.4 117.6

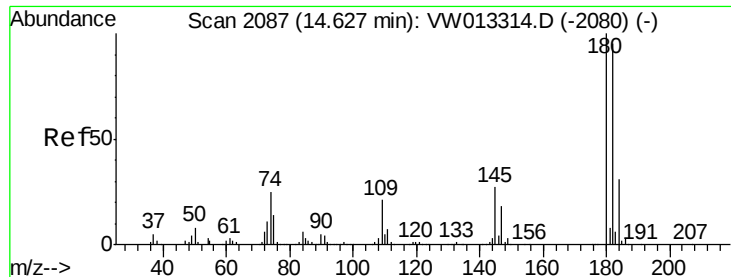


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

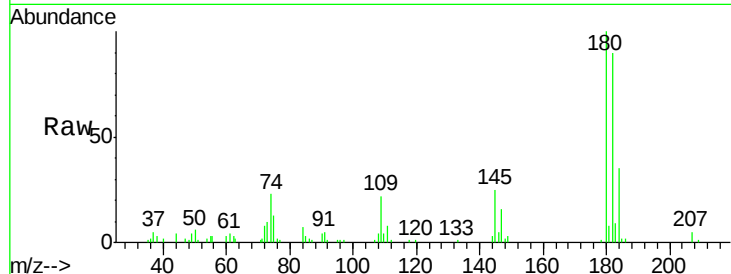




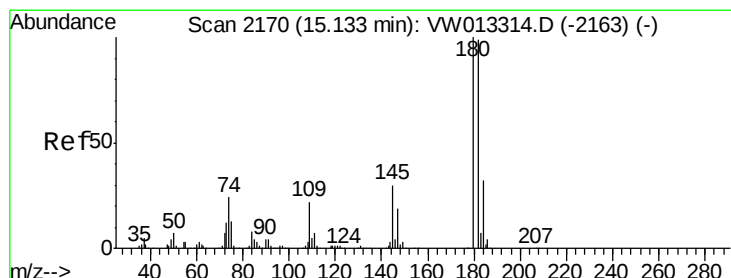
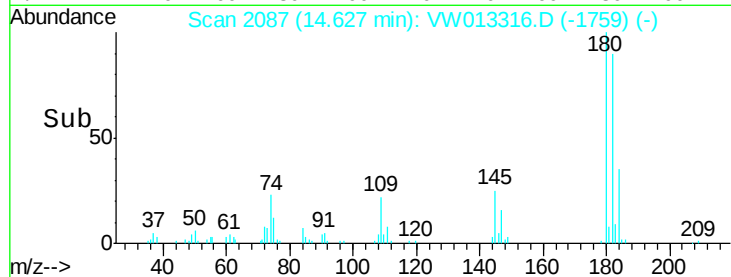
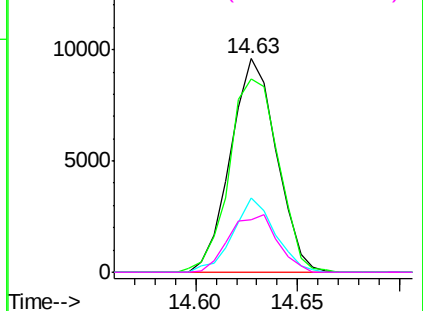
#67
 1,3,5-Trichlorobenzene
 Concen: 1.920 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013316.D
 Acq: 27 Sep 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion:180 Resp: 15071
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.4 114.6
 184 31.6 23.9 35.9
 145 28.2 21.7 32.5

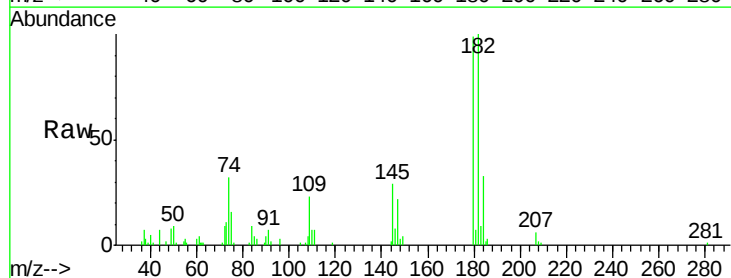


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

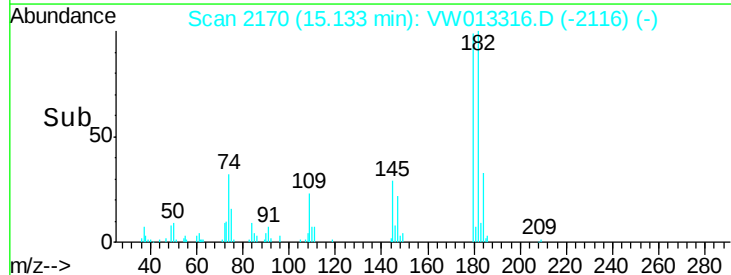
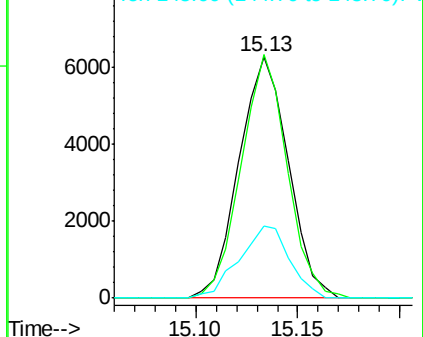


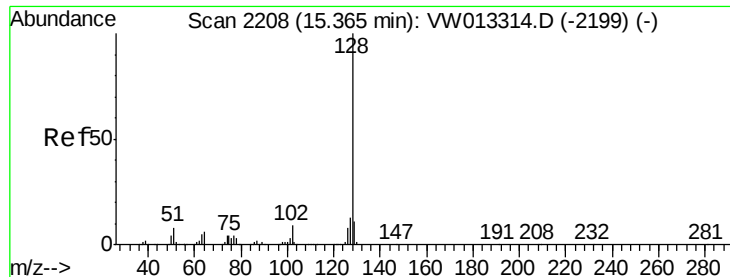
#68
 1,2,4-trichlorobenzene
 Concen: 1.678 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013316.D
 Acq: 27 Sep 2019 11:30

Tgt Ion:180 Resp: 10517
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.9 113.9
 145 30.5 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: 1.505 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

MDL01

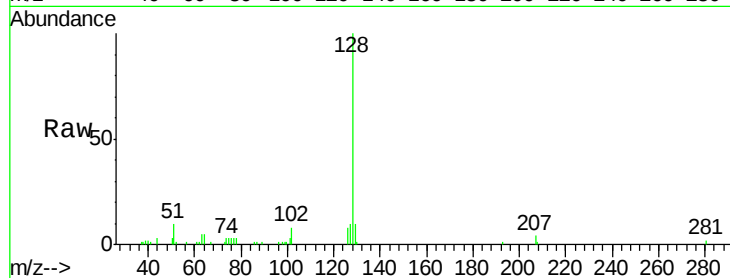
Tot Ion:128 Resp: 18021

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

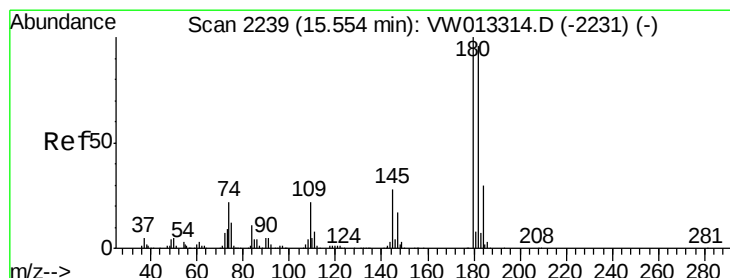
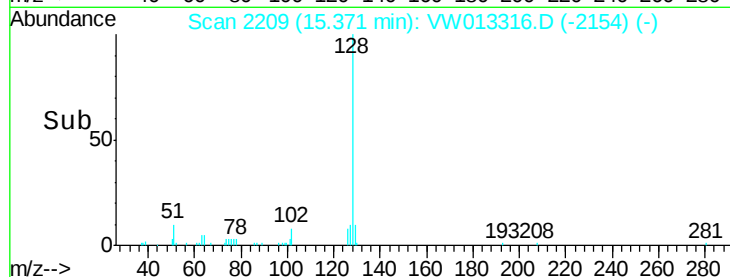
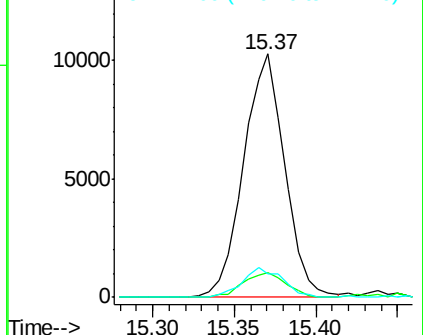
127 12.1 10.6 15.8



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: 1.729 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

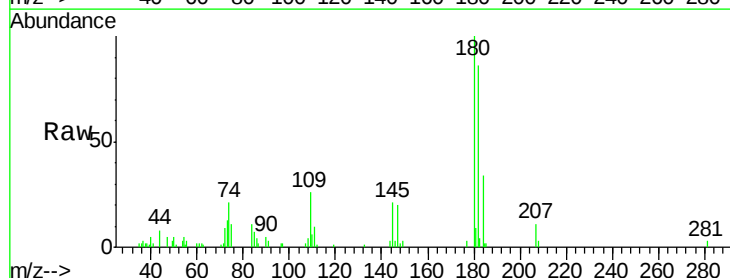
Tgt Ion:180 Resp: 9857

Ion Ratio Lower Upper

180 100

182 97.5 78.2 117.4

145 28.1 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

