

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 03:39:43 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

					Qvalue
2) Dichlorodifluoromethane	2.01	85	3039	1.230 ug/L #	82
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	9593	2.138 ug/L #	81
12) 1,1-Dichloroethene	4.04	96	4392	0.965 ug/L #	1
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	11766	6.030 ug/L #	73
22) cis-1,2-Dichloroethene	7.17	96	10381	1.957 ug/L	97

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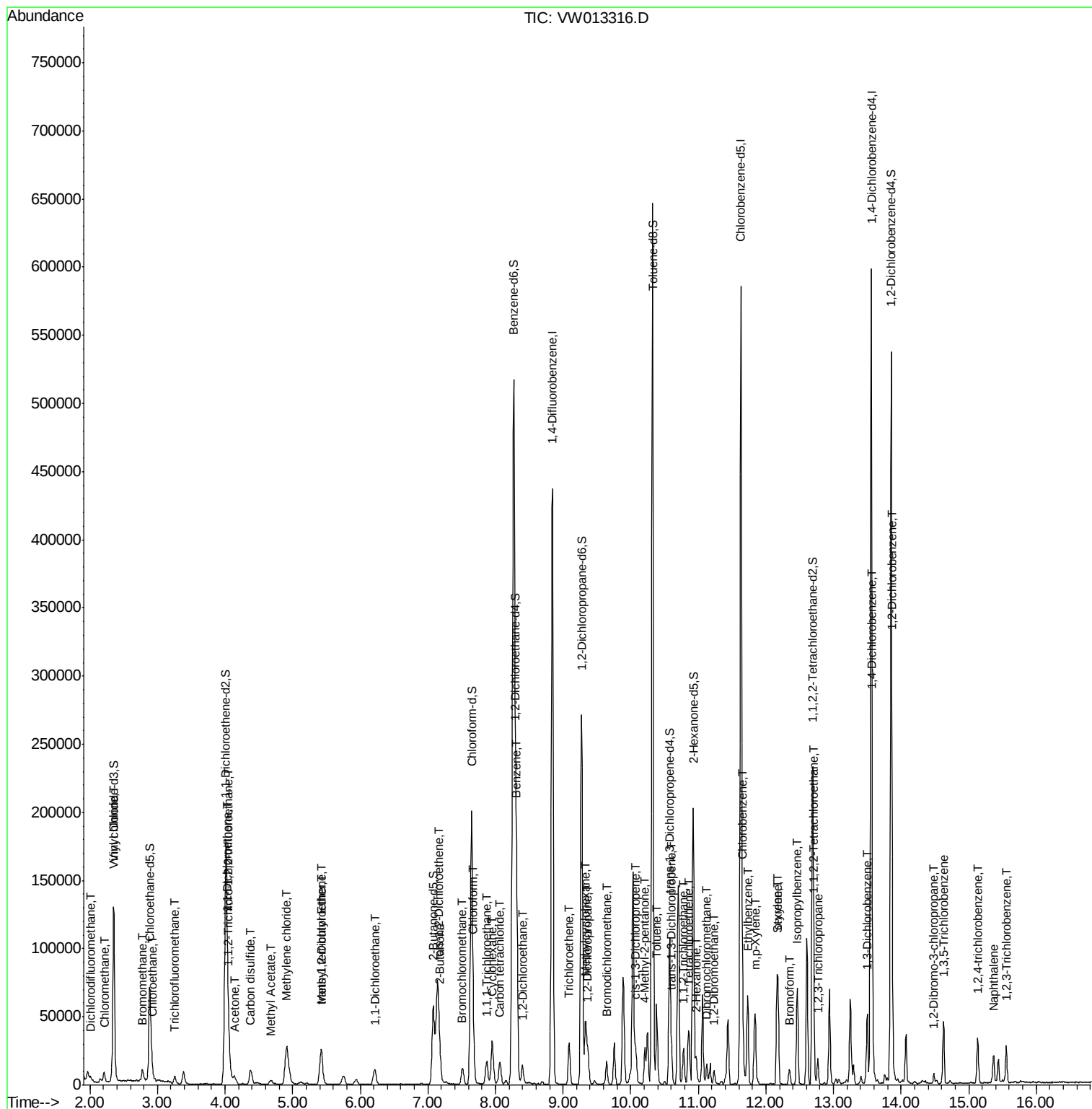
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	4579	1.918	ug/L	83
25) Chloroform	7.68	83	16266	1.938	ug/L	86
27) 1,2-Dichloroethane	8.40	62	11624	2.115	ug/L #	91
30) Cyclohexane	7.95	56	16855	2.036	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	13586	2.054	ug/L	99
32) Carbon tetrachloride	8.07	117	12342	1.957	ug/L	98
34) Benzene	8.32	78	42379	2.193	ug/L	100
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) 1,1,2,2-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

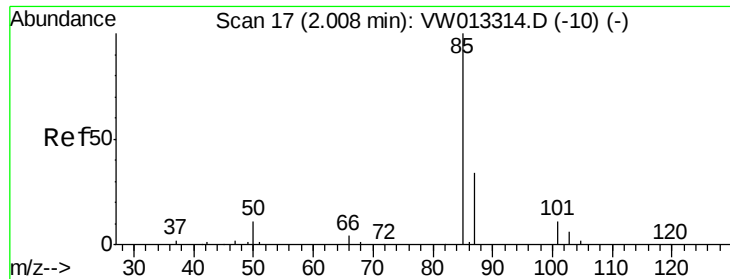
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.230 ug/L

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 :

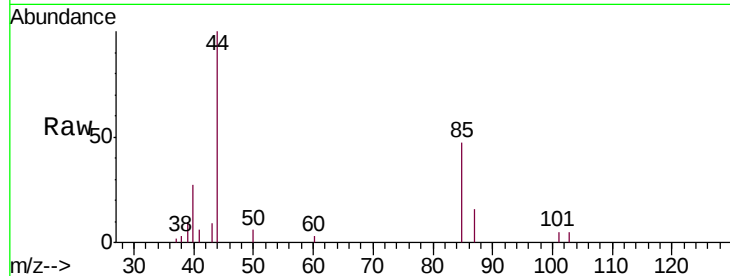
MDL01

Tgt Ion: 85 Resp: 3039

Ion Ratio Lower Upper

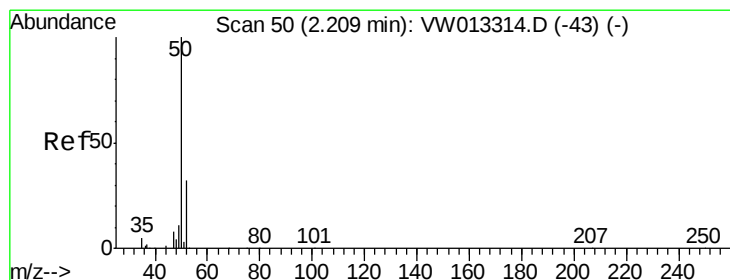
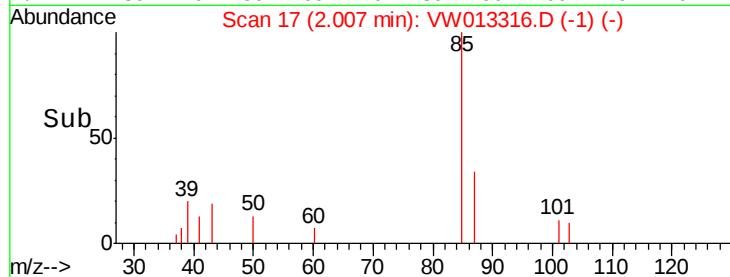
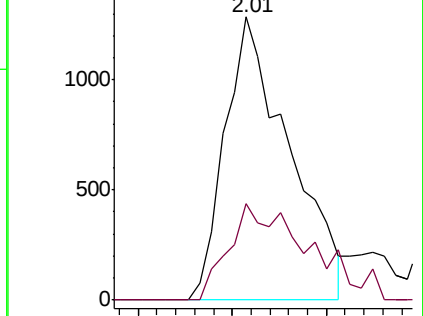
85 100

87 20.7 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: 1.974 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013316.D

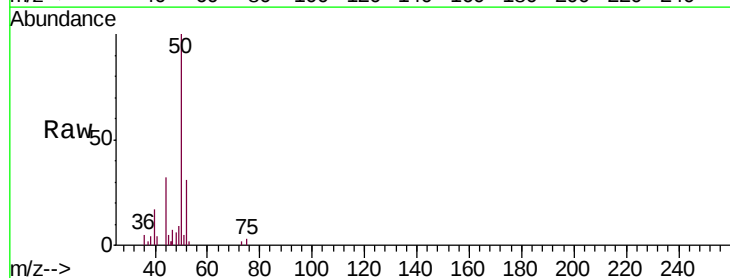
Acq: 27 Sep 2019 11:30

Tgt Ion: 50 Resp: 6538

Ion Ratio Lower Upper

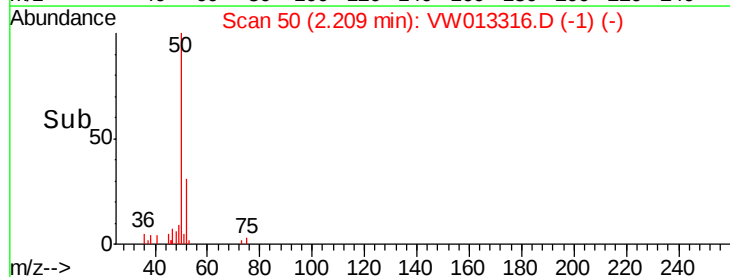
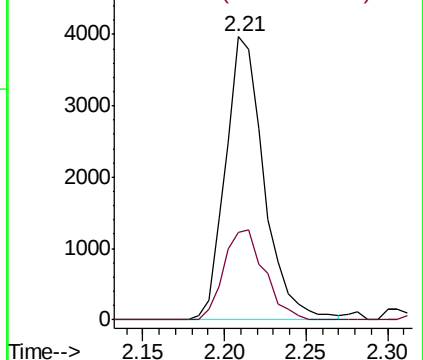
50 100

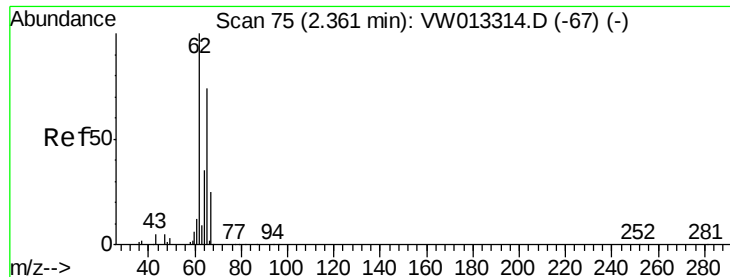
52 30.7 24.4 45.4



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#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 :

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ClientSampleId :

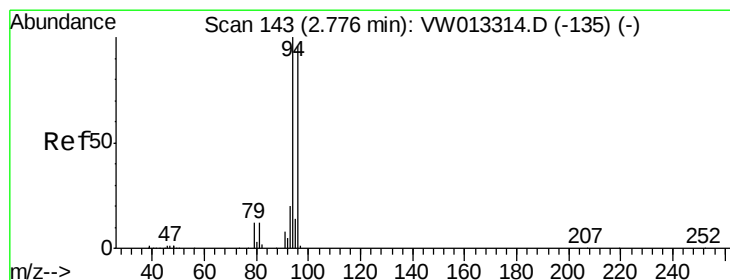
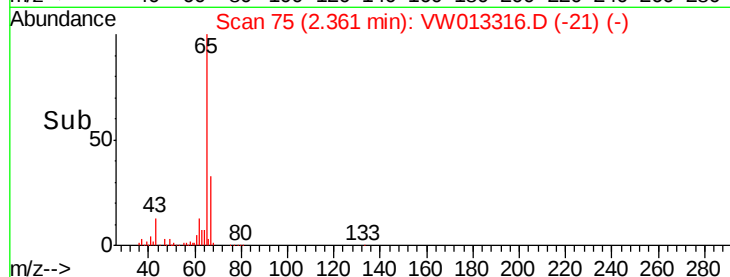
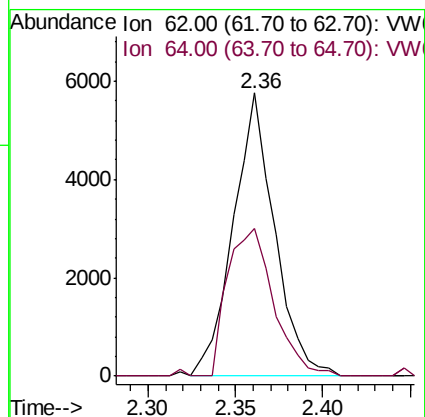
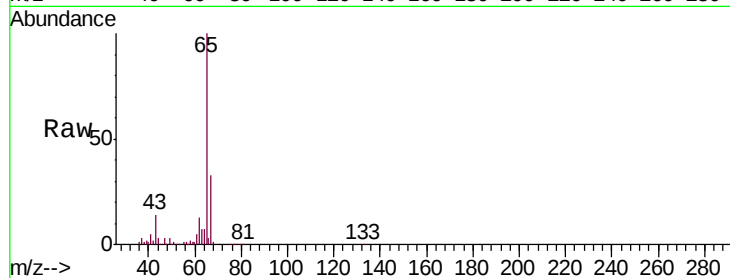
MDL01

Tgt 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

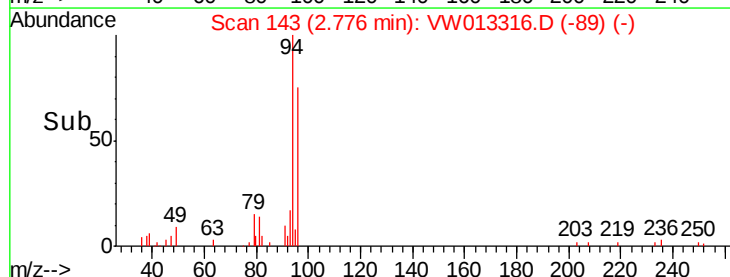
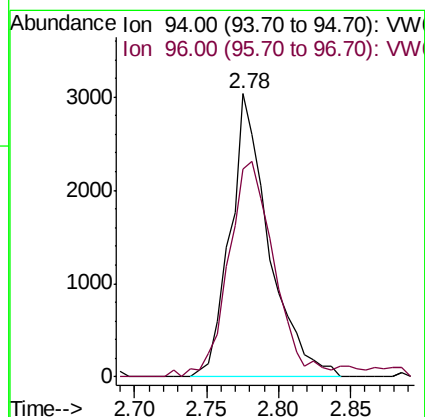
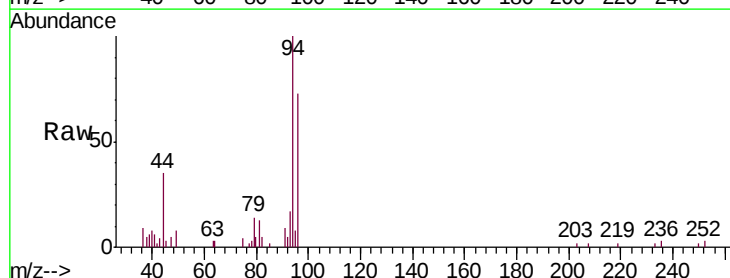
Acq: 27 Sep 2019 11:30

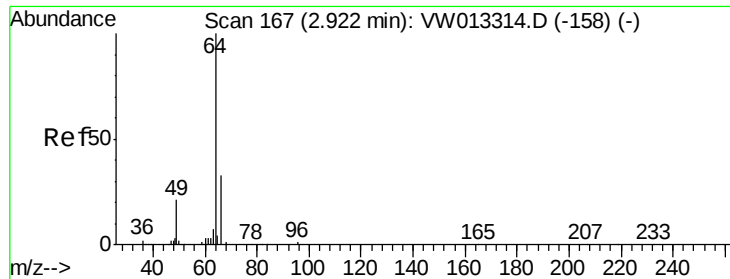
Tgt Ion: 94 Resp: 5694

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

ClientSampleId :

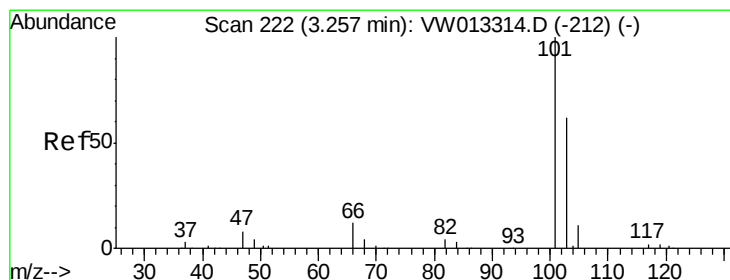
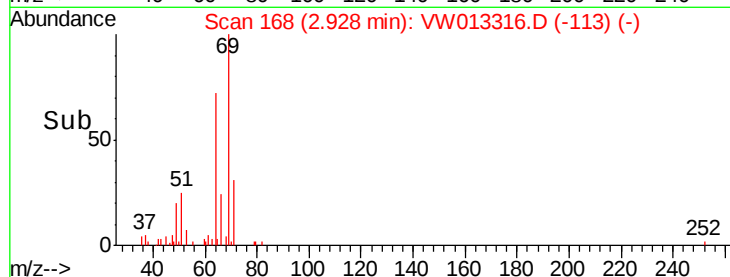
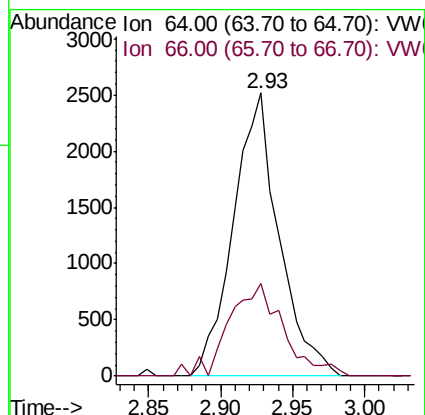
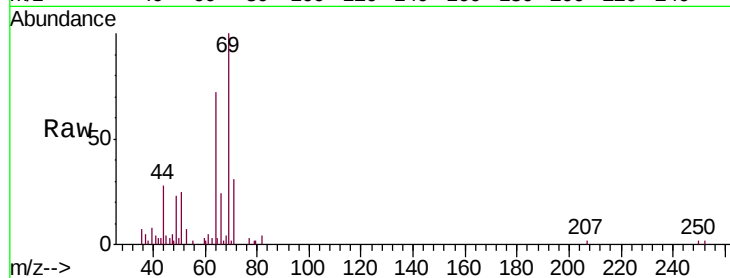
MDL01

Tgt 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

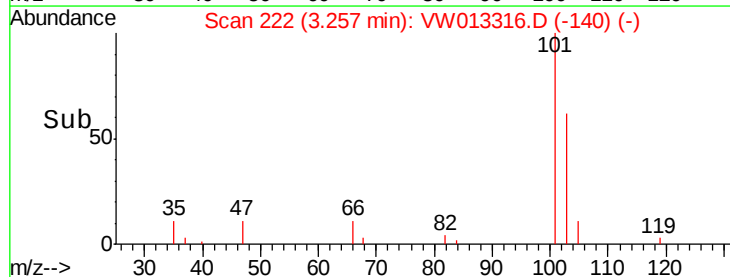
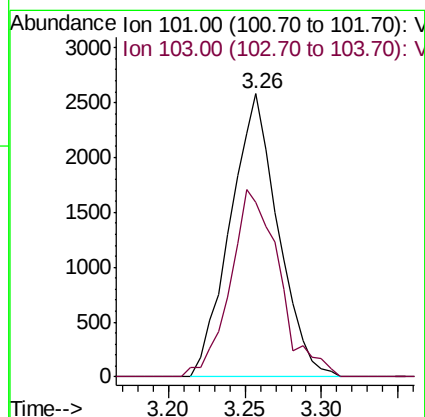
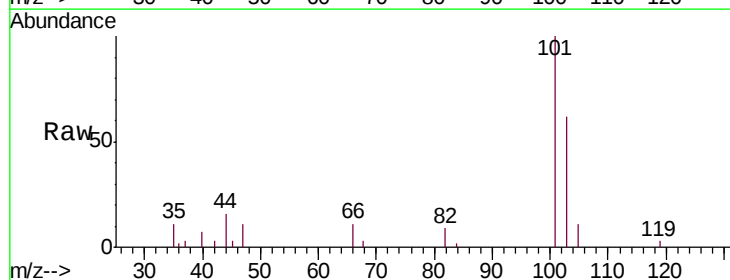
Acq: 27 Sep 2019 11:30

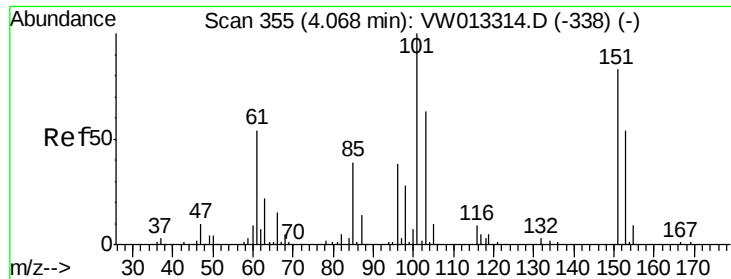
Tgt Ion: 101 Resp: 5589

Ion Ratio Lower Upper

101 100

103 63.7 45.2 84.0





#11

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

Concen: 2.138 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

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ClientSampleId :

MDL01

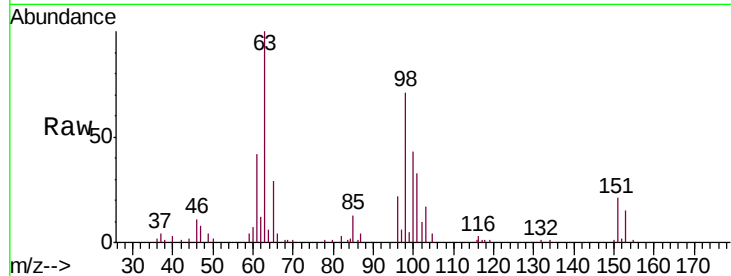
Tgt Ion:101 Resp: 9593

Ion Ratio Lower Upper

101 100

85 24.4 31.8 47.8#

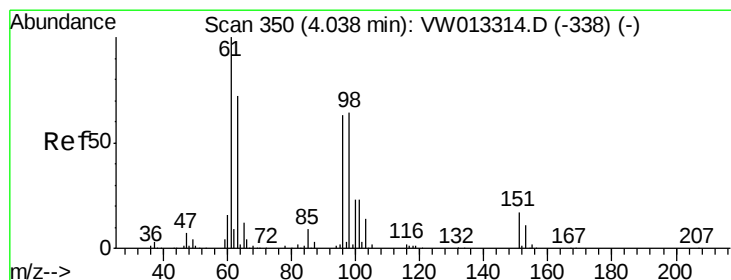
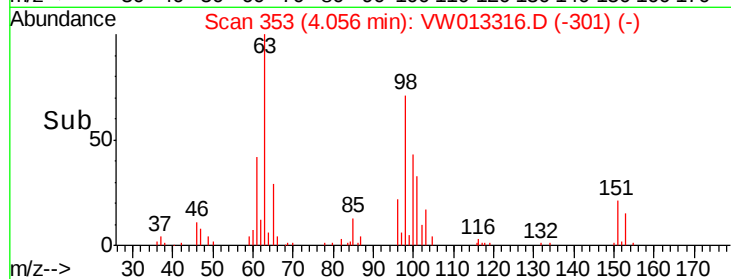
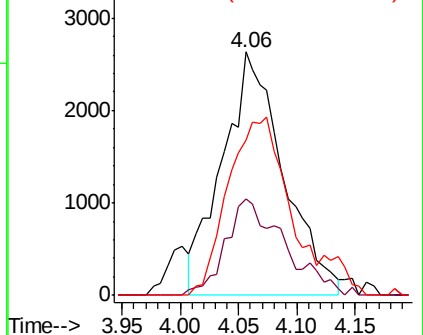
151 67.5 65.4 98.0



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: 0.965 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW013316.D

Acq: 27 Sep 2019 11:30

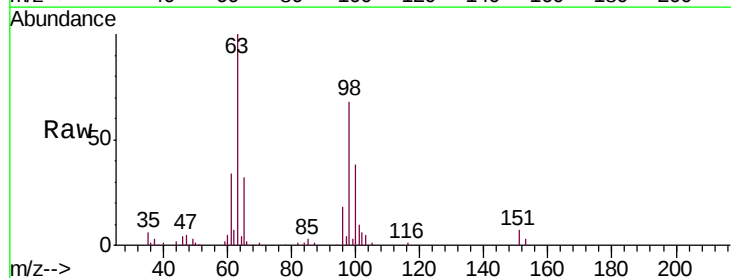
Tgt Ion: 96 Resp: 4392

Ion Ratio Lower Upper

96 100

61 189.8 115.9 215.3

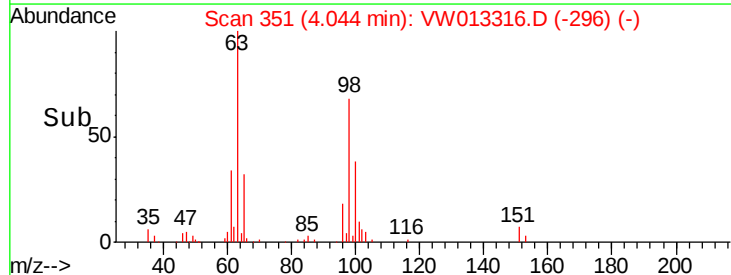
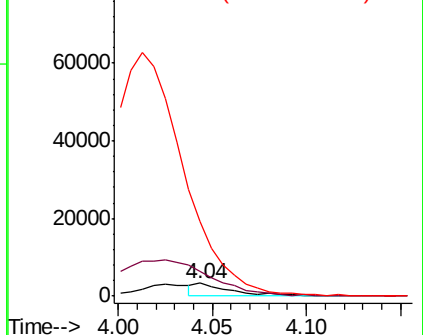
63 562.1 88.9 165.1#

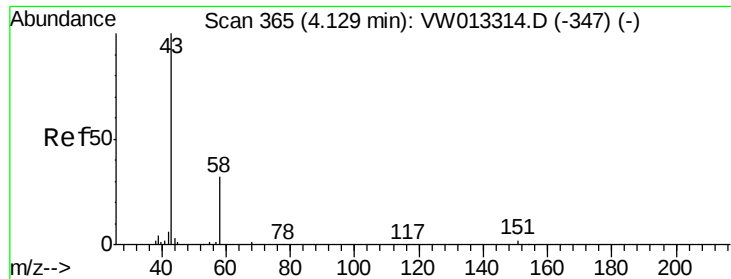


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

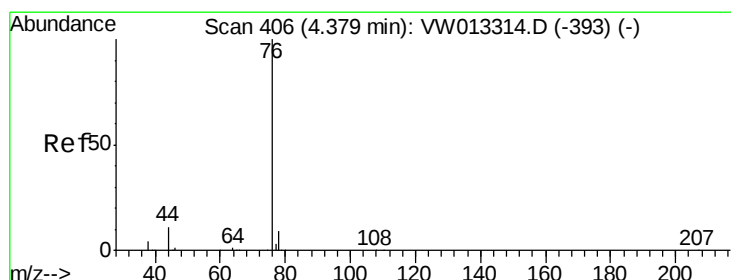
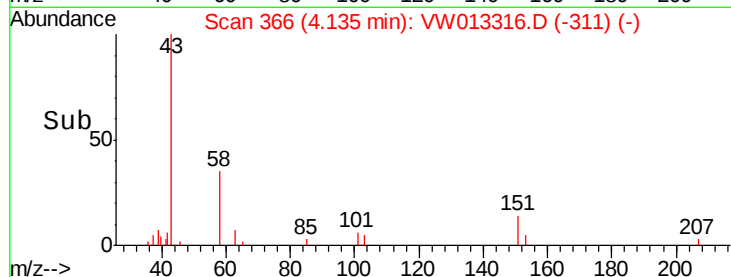
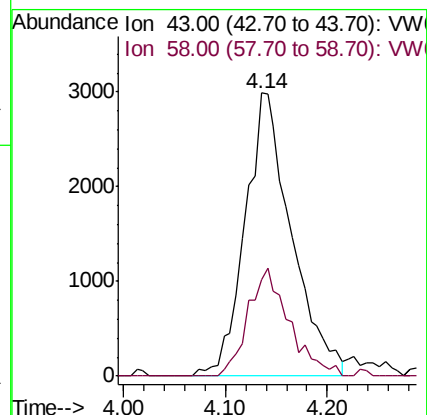
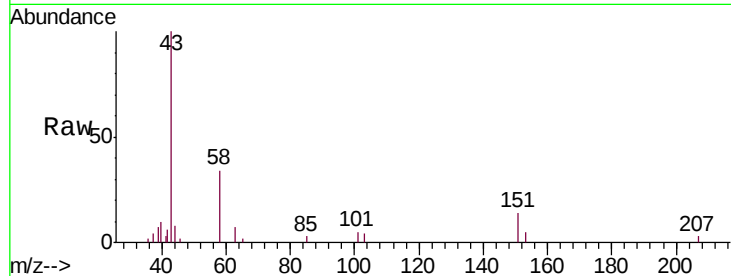




#13
Acetone
Concen: 6.977 ug/L
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

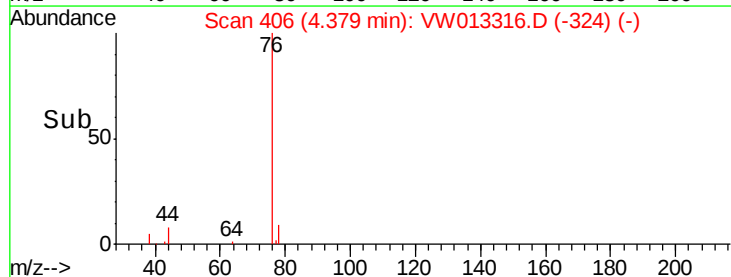
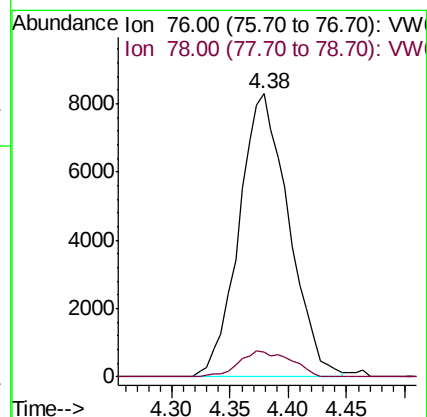
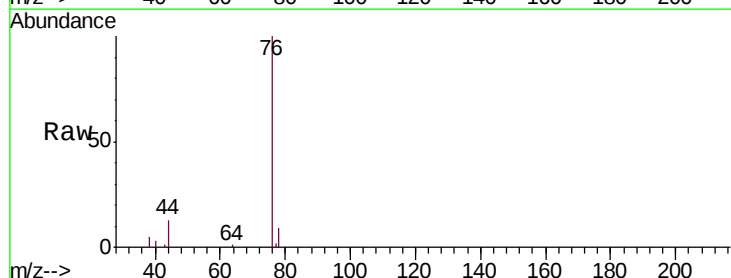
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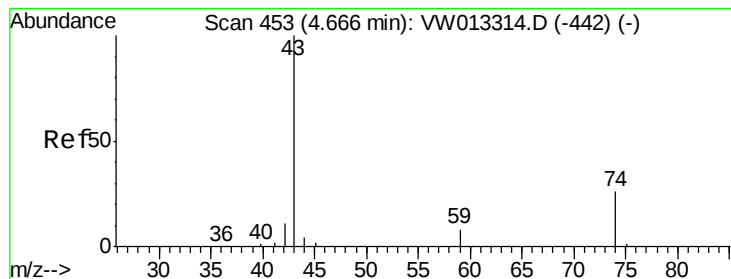
Tgt Ion: 43 Resp: 9452
Ion Ratio Lower Upper
43 100
58 33.3 0.0 63.2



#14
Carbon disulfide
Concen: 1.903 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

Tgt Ion: 76 Resp: 24593
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8





#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 :

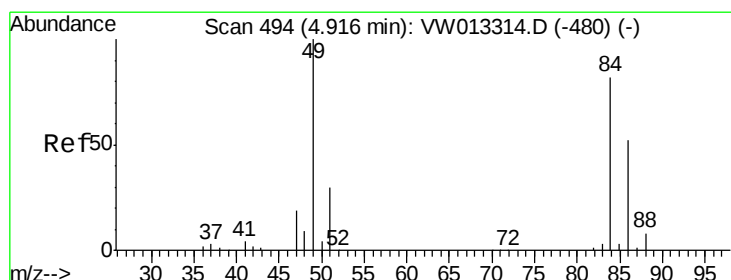
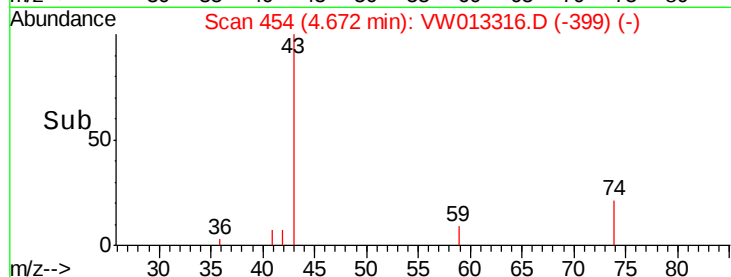
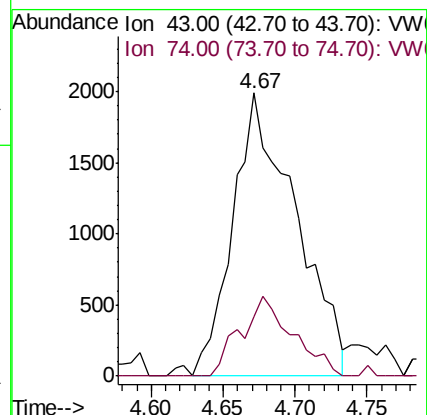
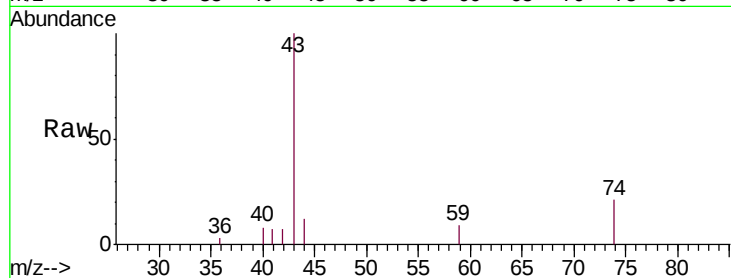
MDL01

Tgt 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

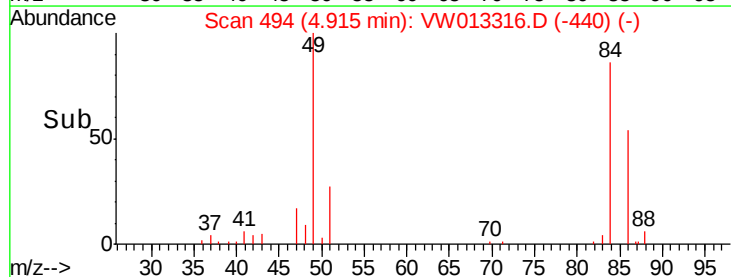
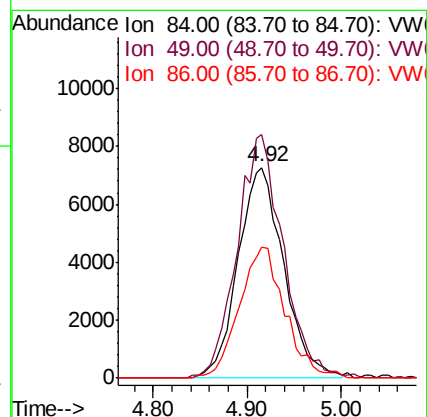
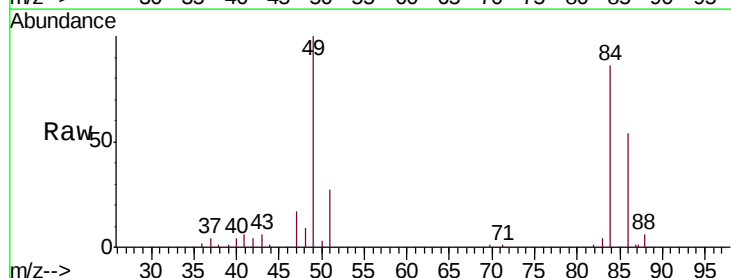
Tgt Ion: 84 Resp: 24579

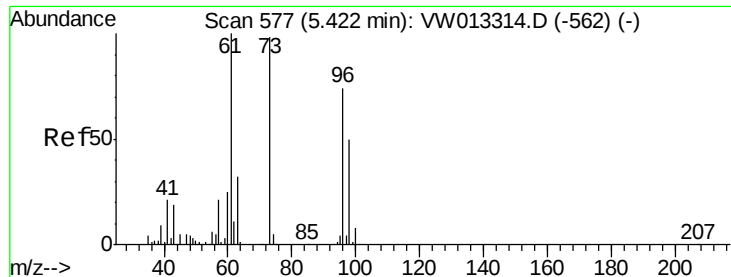
Ion Ratio Lower Upper

84 100

49 115.7 84.8 157.4

86 62.0 44.0 81.6

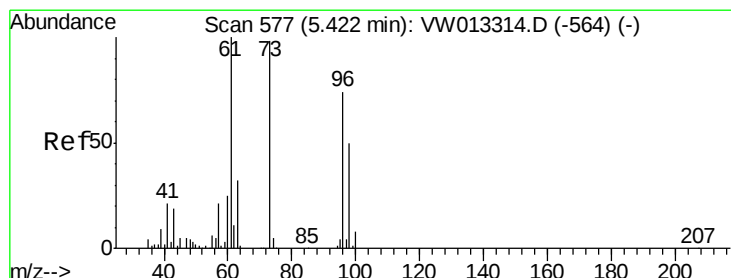
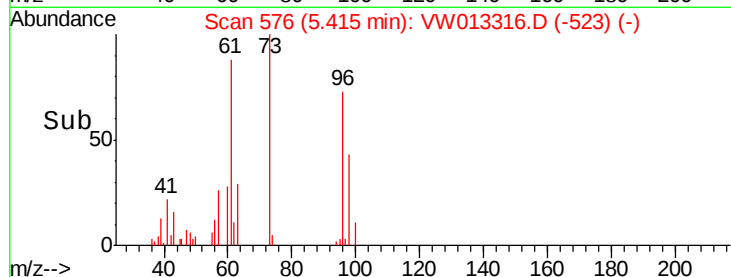
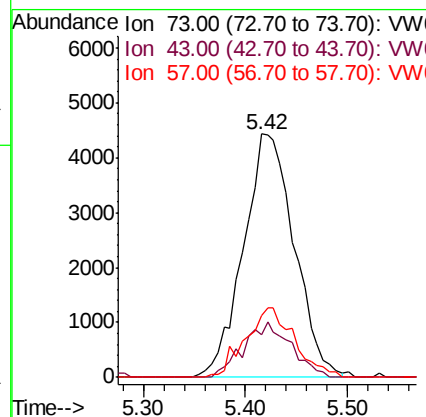
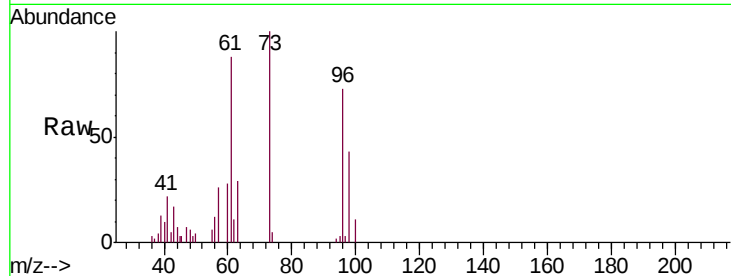




#17
Methyl tert-butyl Ether
Concen: 1.947 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

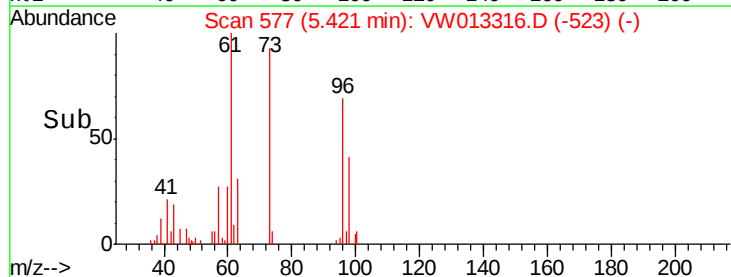
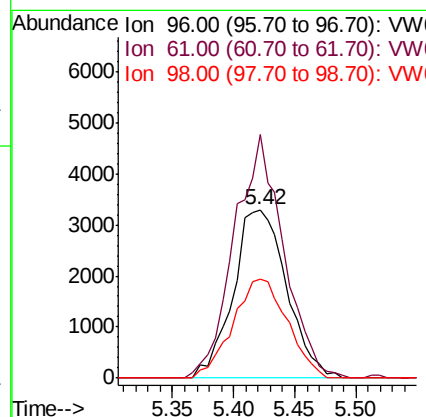
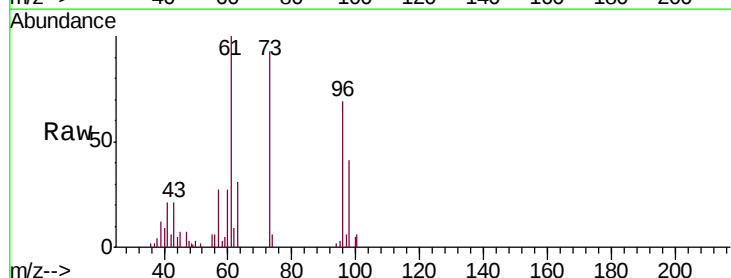
Instrument :
MSVOA_W
ClientSampleId :
MDL01

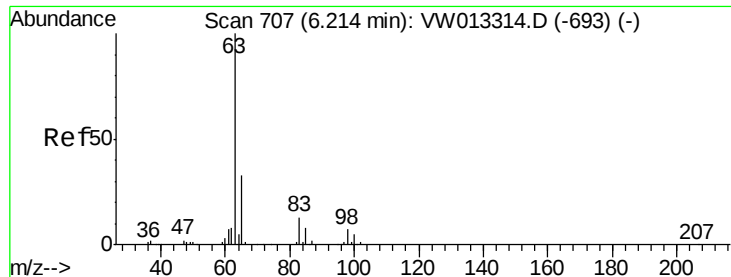
Tgt Ion: 73 Resp: 15335
Ion Ratio Lower Upper
73 100
43 11.9 15.3 22.9#
57 19.6 18.2 27.4



#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: 96 Resp: 10014
Ion Ratio Lower Upper
96 100
61 144.7 91.2 169.4
98 59.0 44.7 82.9

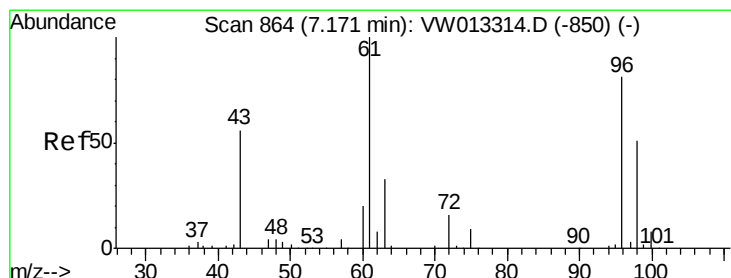
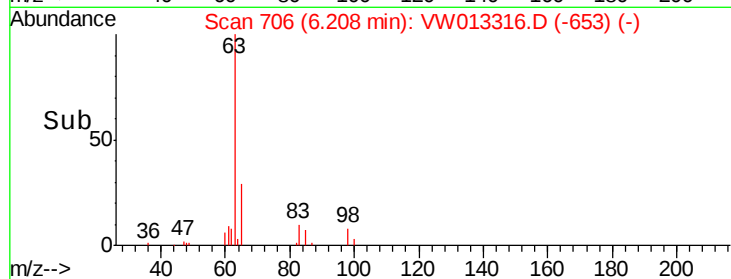
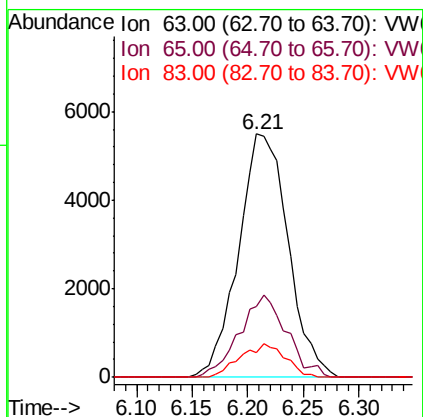
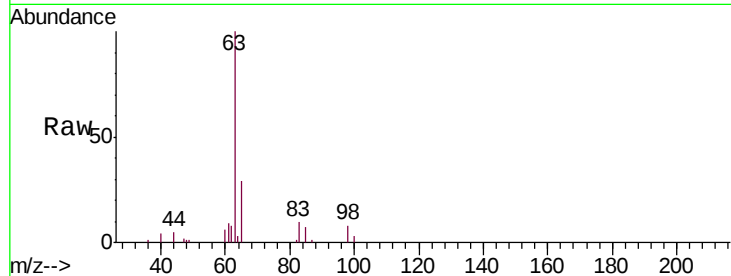




#19
 1,1-Dichloroethane
 Concen: 1.992 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013316.D
 Acq: 27 Sep 2019 11:30

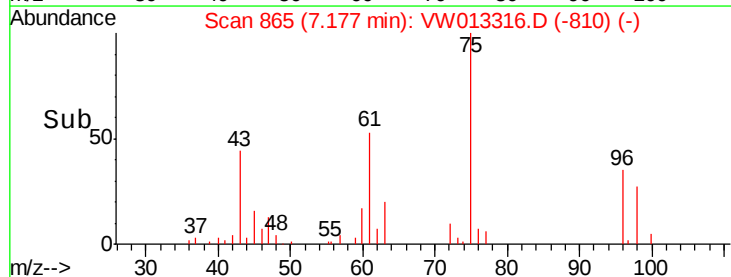
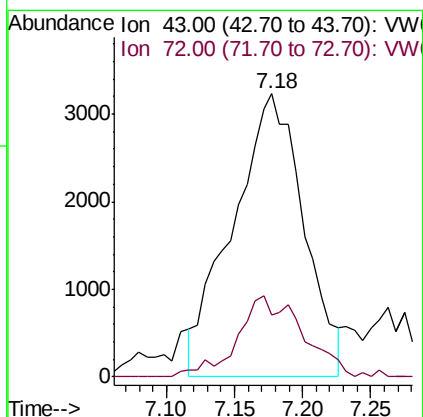
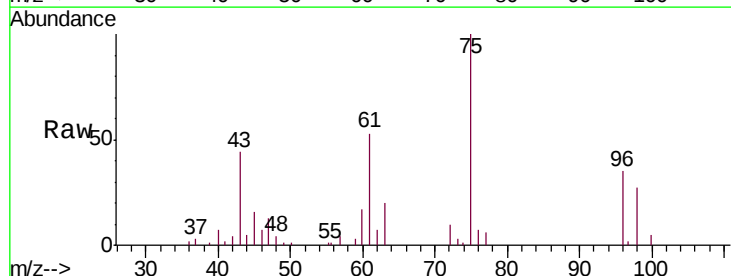
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

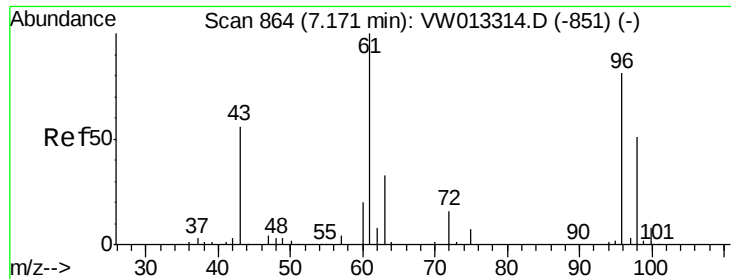
Tgt Ion: 63 Resp: 17008
 Ion Ratio Lower Upper
 63 100
 65 28.9 21.8 40.4
 83 10.1 9.3 17.3



#21
 2-Butanone
 Concen: 6.030 ug/L
 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: 11766
 Ion Ratio Lower Upper
 43 100
 72 12.6 13.2 39.6#



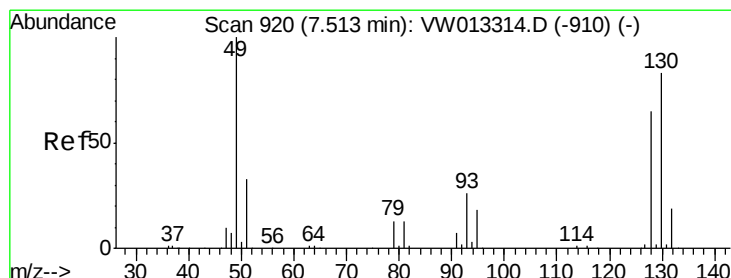
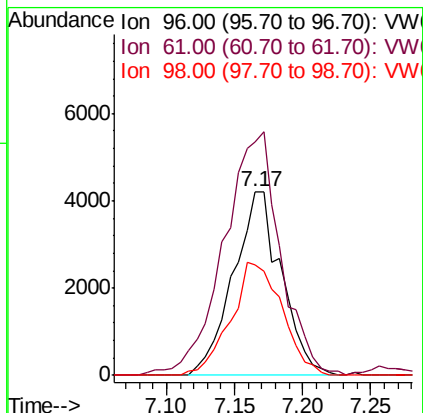
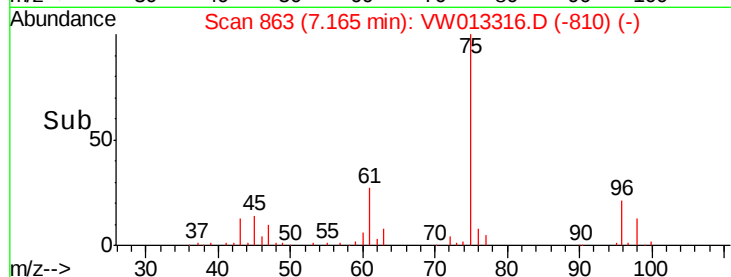
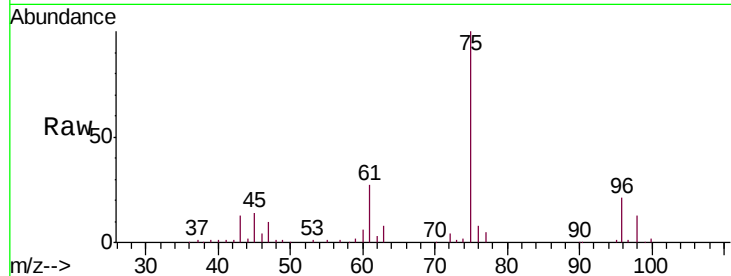


#22

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

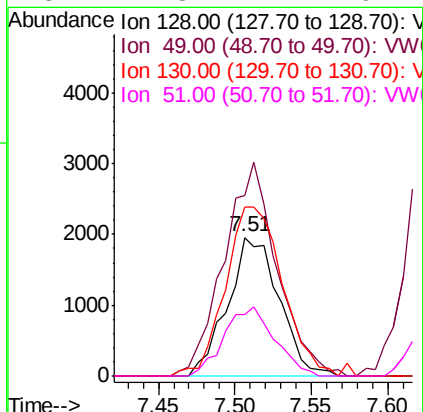
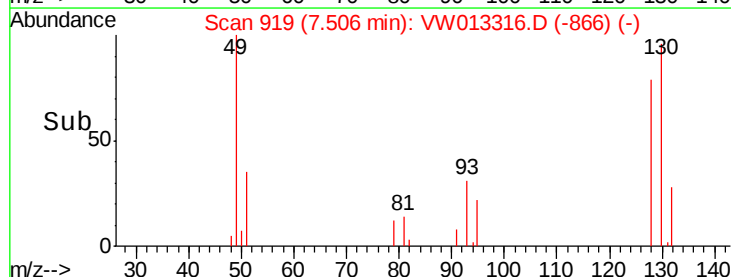
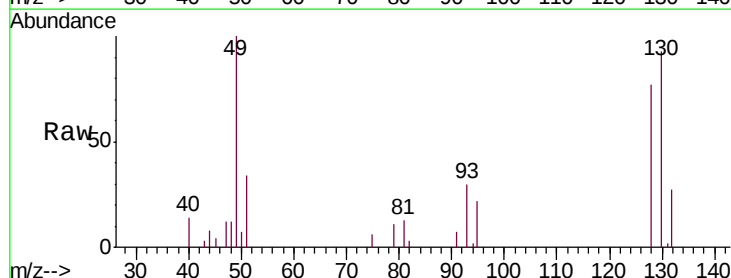
Tgt Ion: 96 Resp: 10381
 Ion Ratio Lower Upper
 96 100
 61 126.7 86.0 159.6
 98 60.3 43.5 80.9

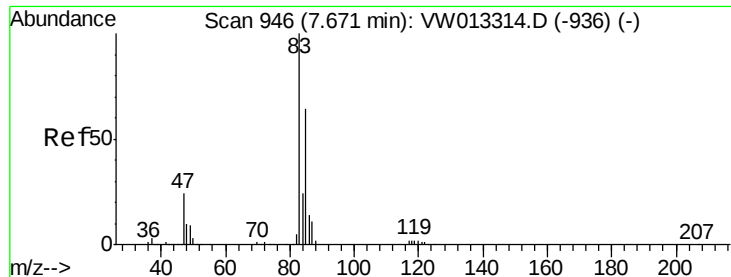


#23

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

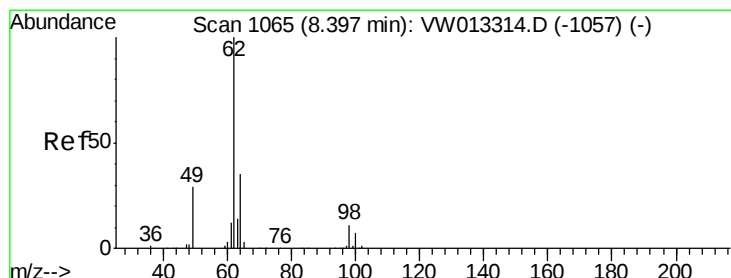
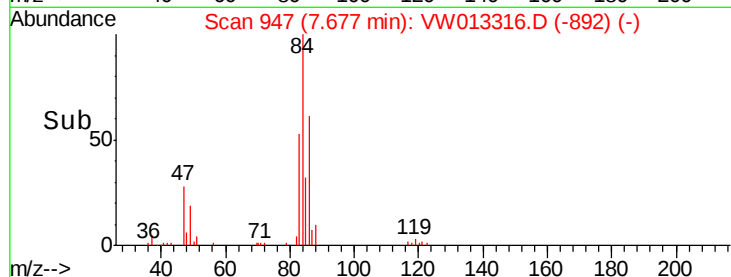
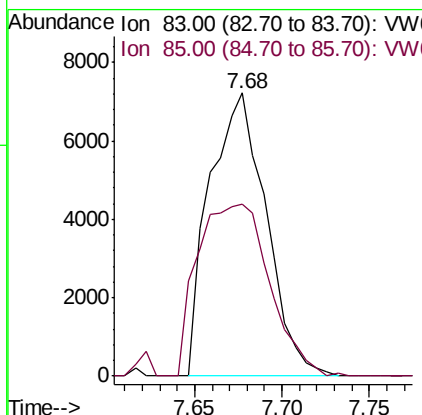
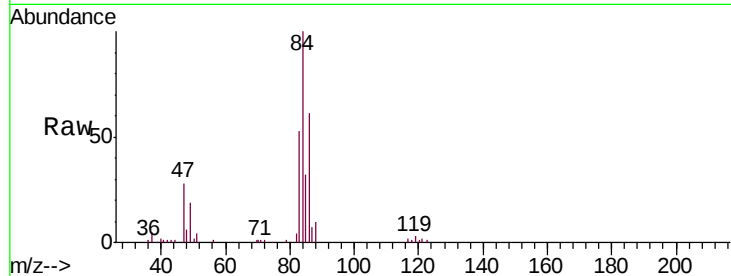




#25
Chloroform
Concen: 1.938 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

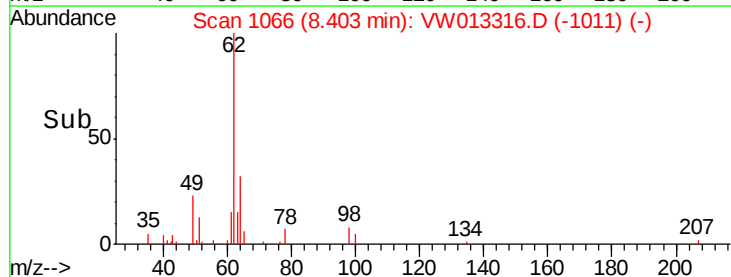
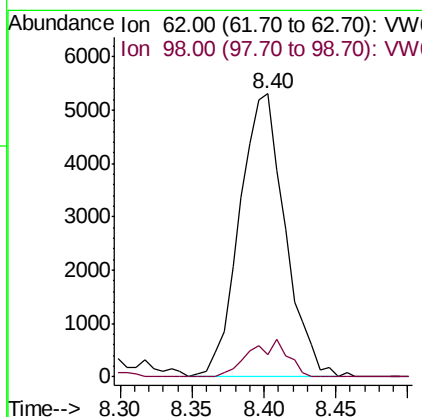
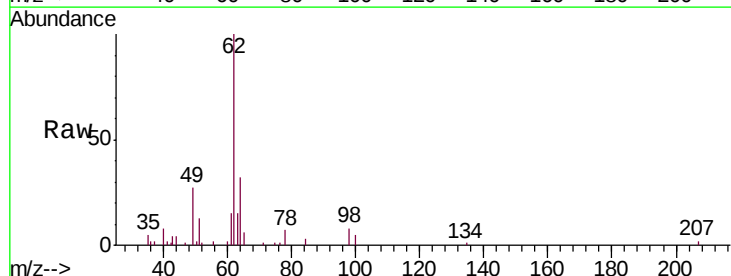
Instrument :
MSVOA_W
ClientSampled :
MDL01

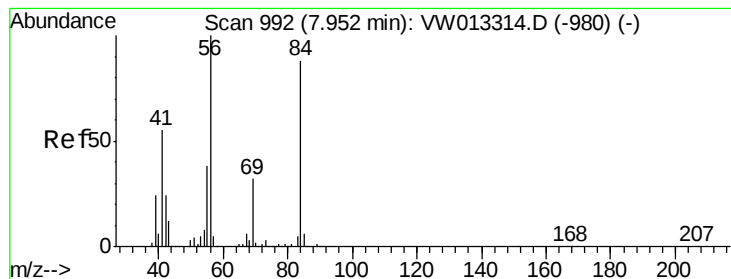
Tgt Ion: 83 Resp: 16266
Ion Ratio Lower Upper
83 100
85 77.0 45.9 85.3



#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

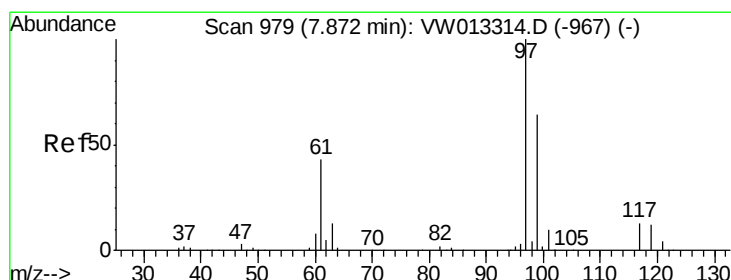
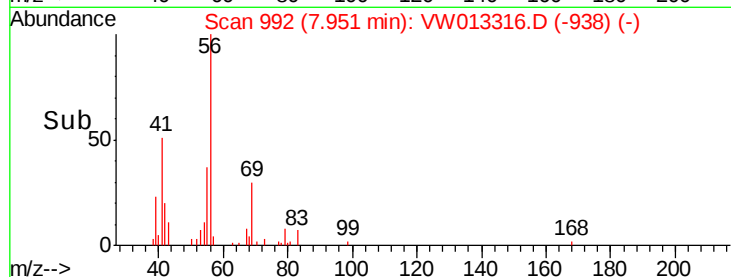
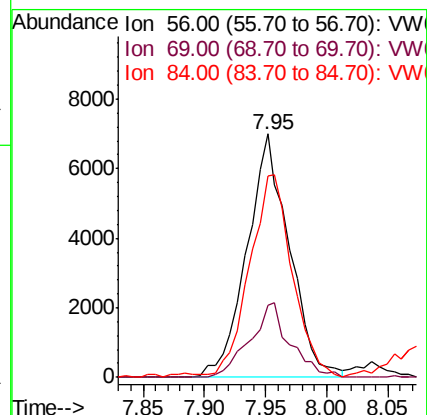
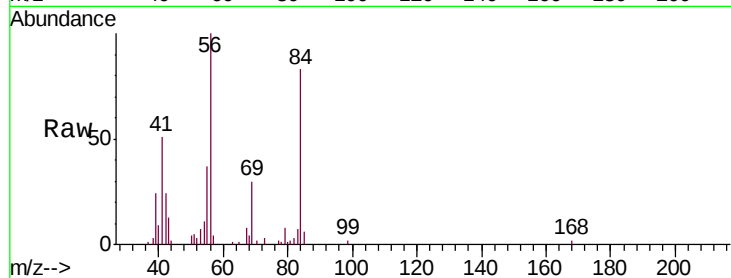
Tgt Ion: 56 Resp: 16855

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

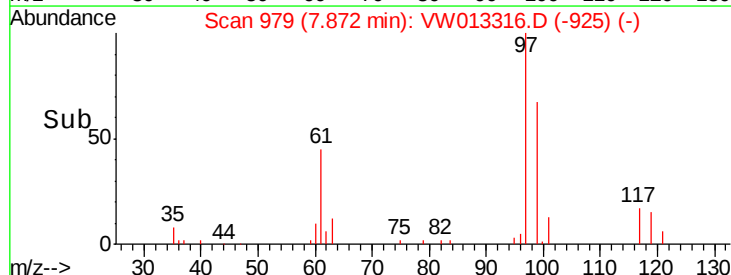
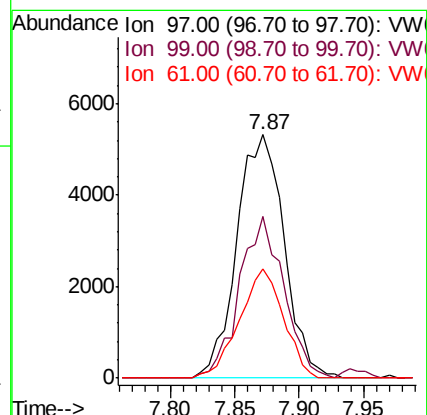
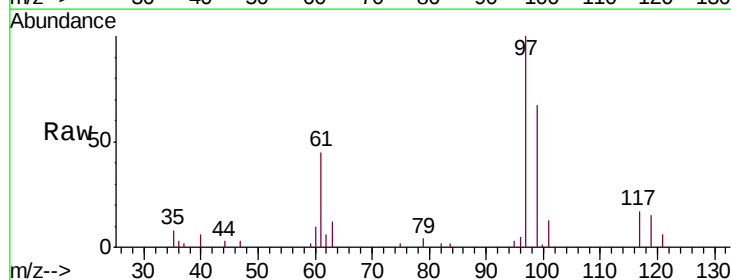
Tgt Ion: 97 Resp: 13586

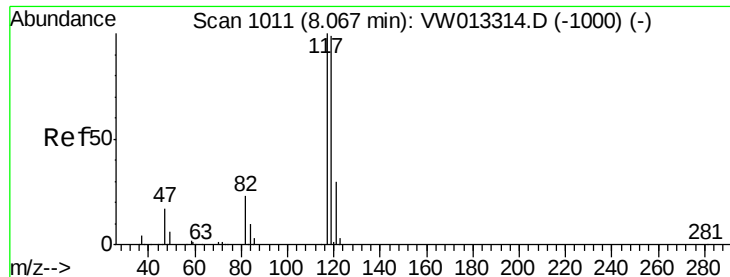
Ion Ratio Lower Upper

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 :

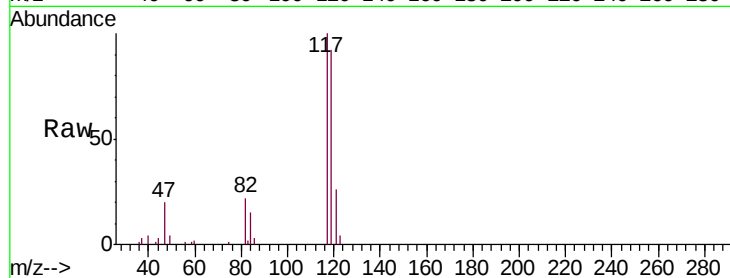
MDL01

Tgt Ion:117 Resp: 12342

Ion Ratio Lower Upper

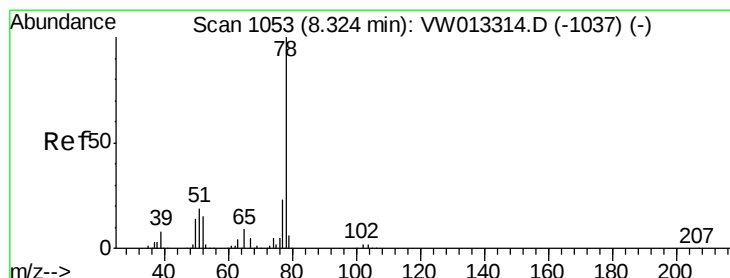
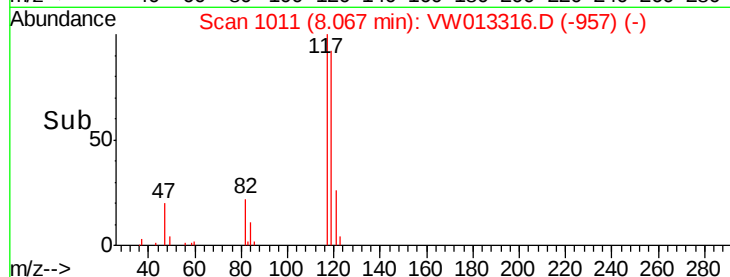
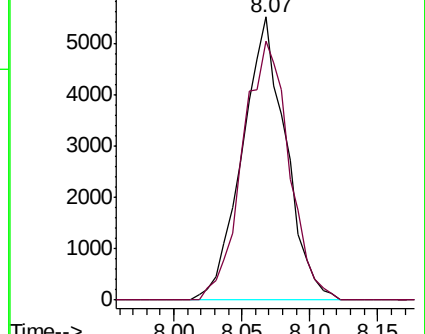
117 100

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: 2.193 ug/L

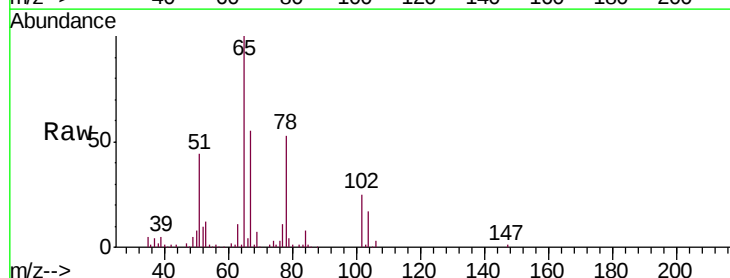
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

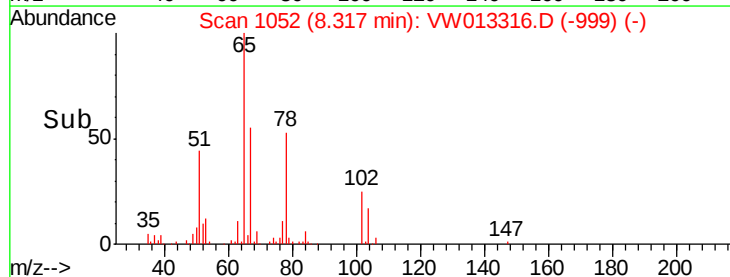
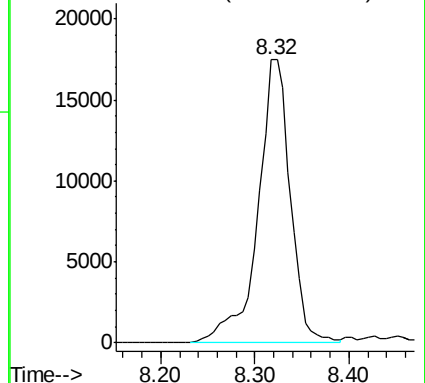
Lab File: VW013316.D

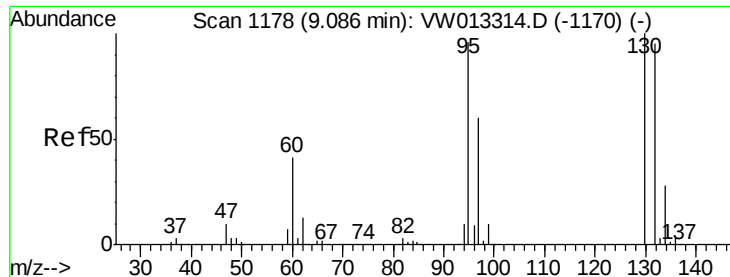
Acq: 27 Sep 2019 11:30

Tgt Ion: 78 Resp: 42379



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

ClientSampleId :

MDL01

Tgt Ion: 95 Resp: 10512

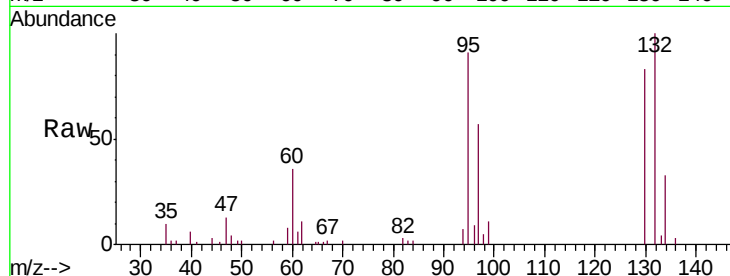
Ion Ratio Lower Upper

95 100

97 60.5 44.3 82.3

132 104.3 71.7 133.3

130 100.8 74.1 137.7

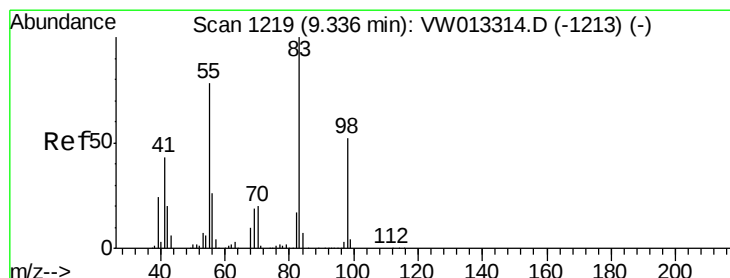
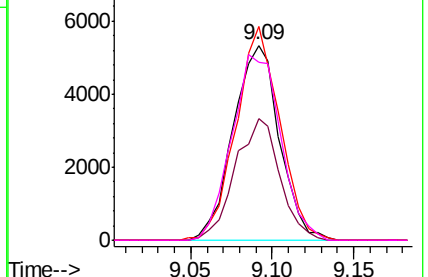
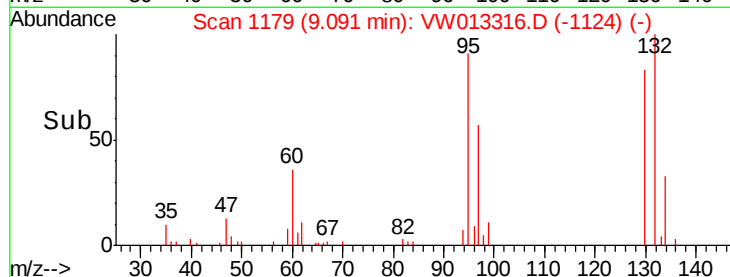


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#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

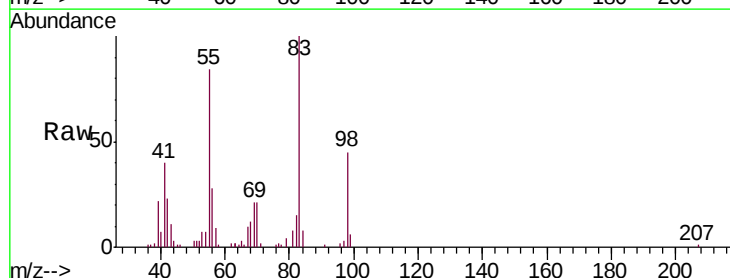
Tgt Ion: 83 Resp: 18251

Ion Ratio Lower Upper

83 100

55 81.2 61.8 92.6

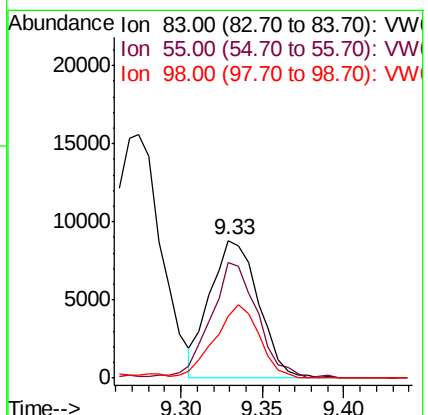
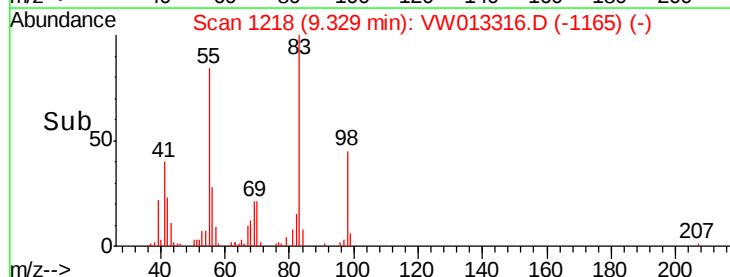
98 49.1 39.6 59.4

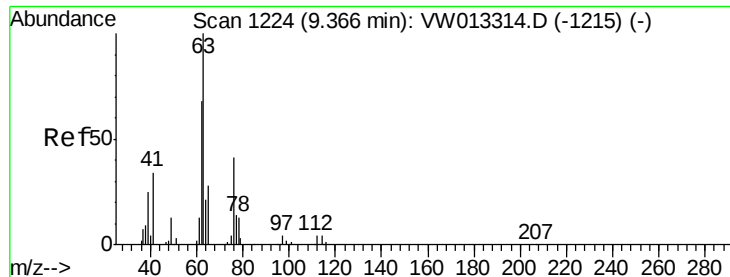


Abundance Ion 83.00 (82.70 to 83.70): VW

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 :

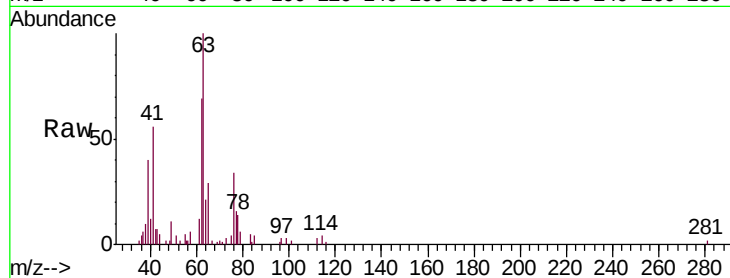
MDL01

Tgt Ion: 63 Resp: 10079

Ion Ratio Lower Upper

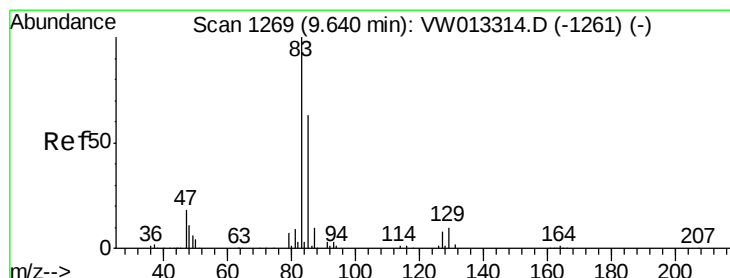
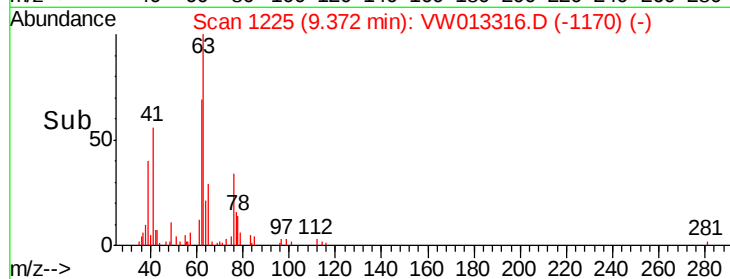
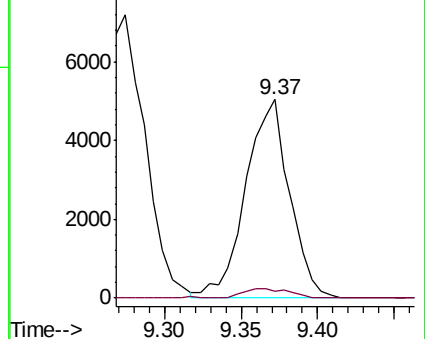
63 100

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

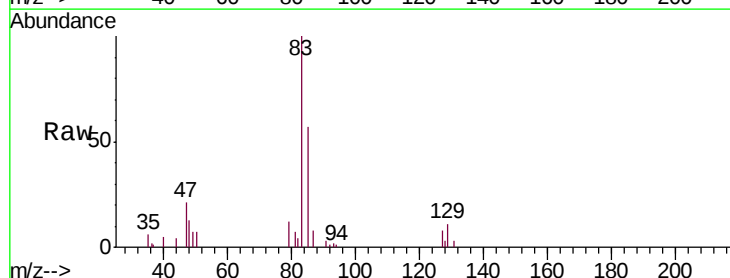
Tgt Ion: 83 Resp: 11265

Ion Ratio Lower Upper

83 100

85 56.5 43.8 81.4

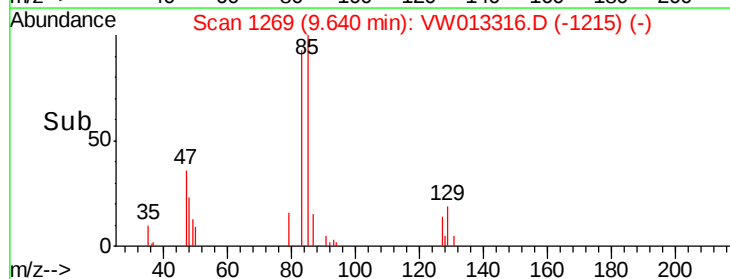
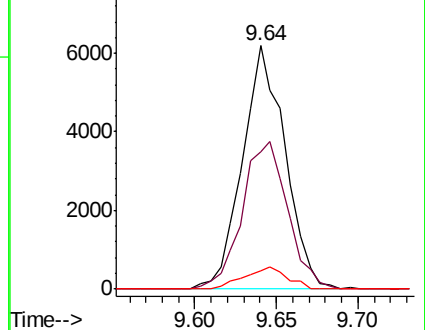
127 7.5 7.0 10.6

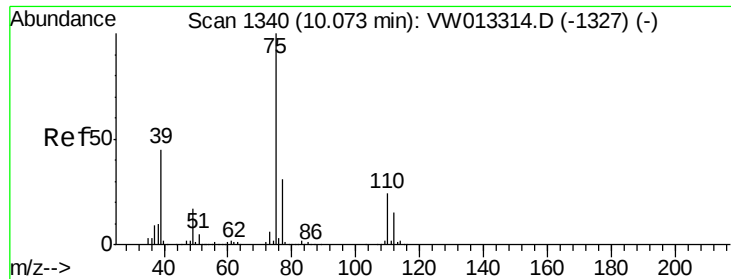


Abundance Ion 83.00 (82.70 to 83.70): VW

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 :

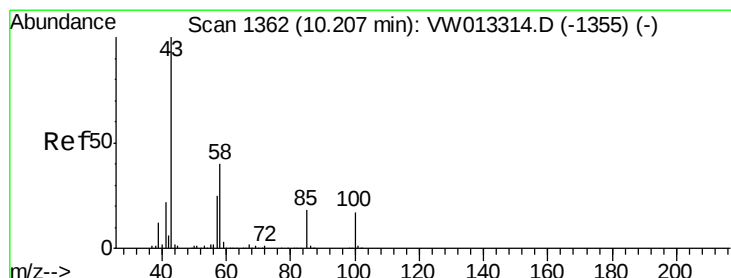
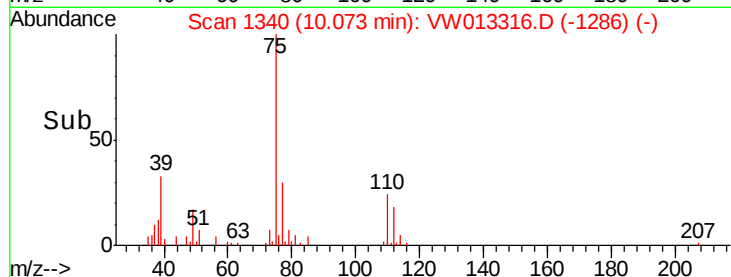
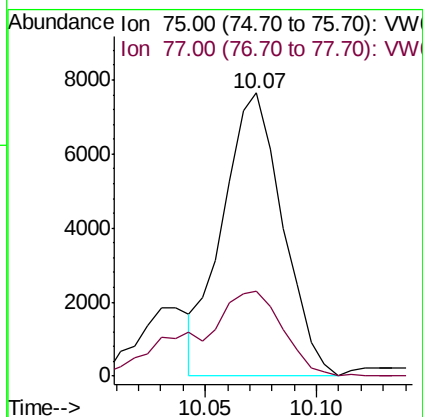
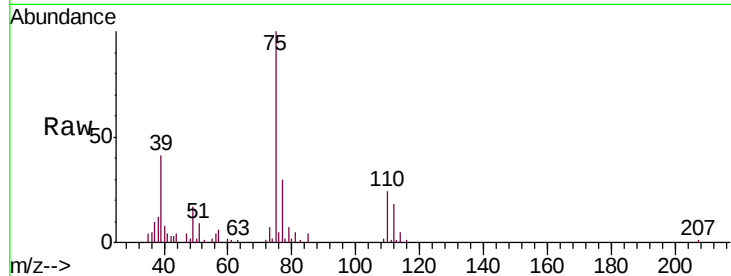
MDL01

Tgt 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

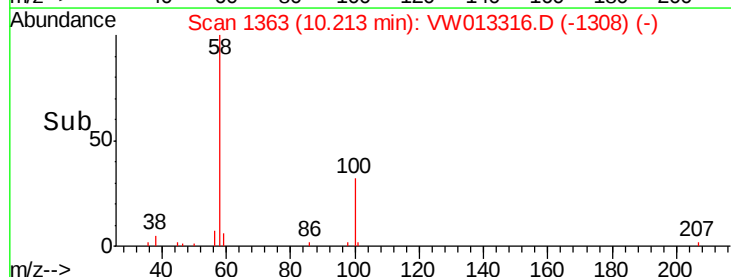
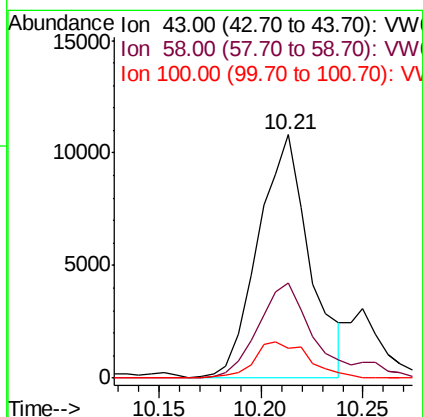
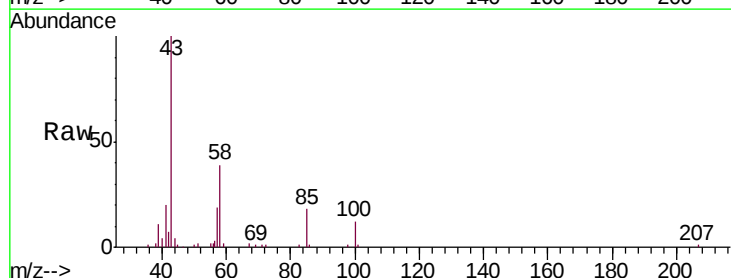
Tgt Ion: 43 Resp: 19007

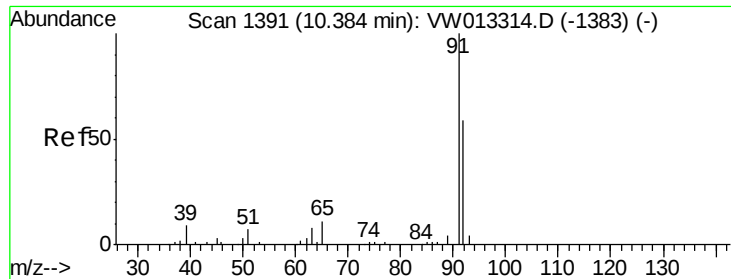
Ion Ratio Lower Upper

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 :

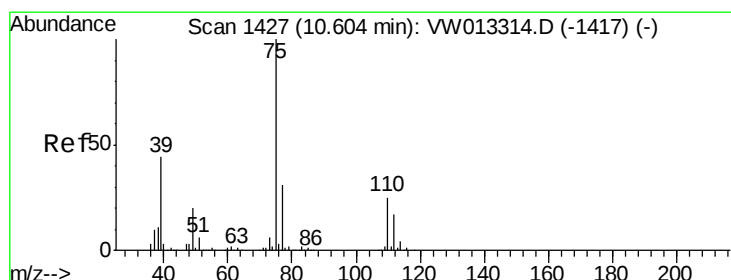
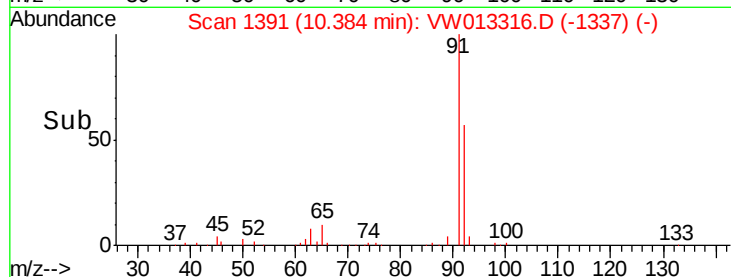
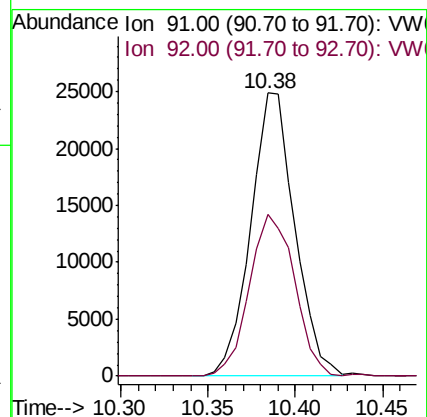
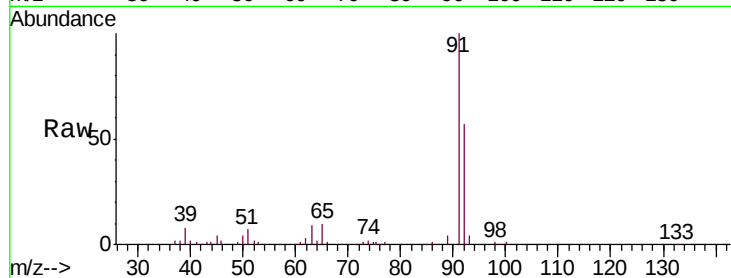
MDL01

Tgt 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

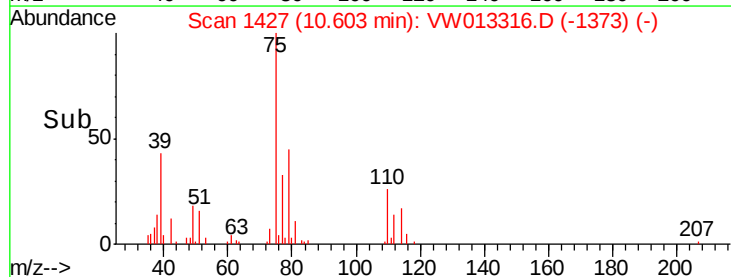
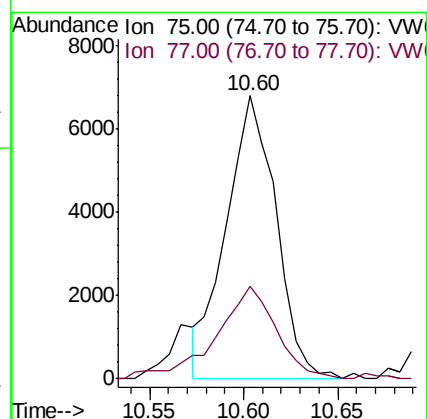
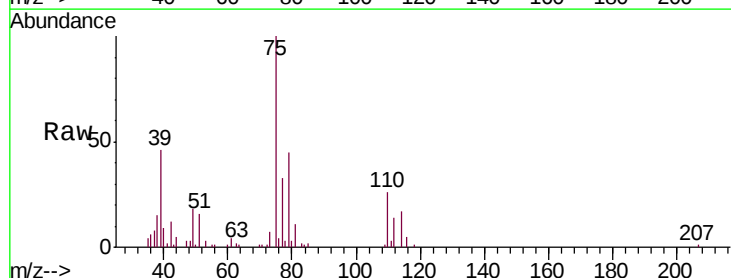
Acq: 27 Sep 2019 11:30

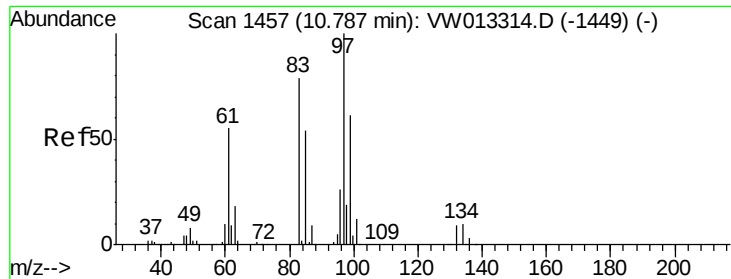
Tgt Ion: 75 Resp: 12501

Ion Ratio Lower Upper

75 100

77 32.9 20.5 38.1

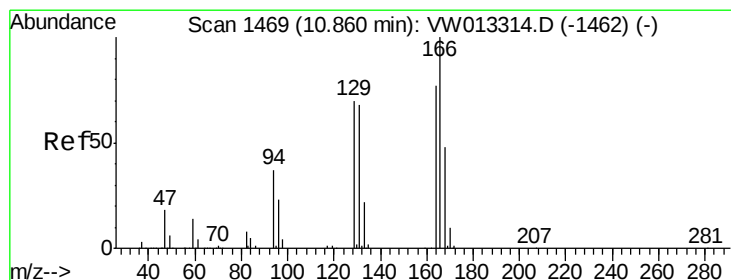
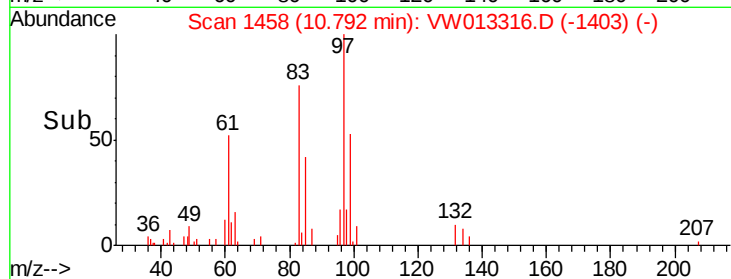
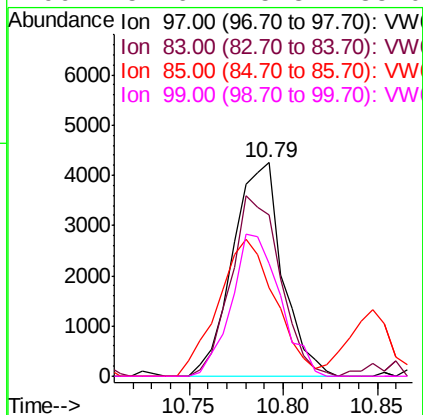
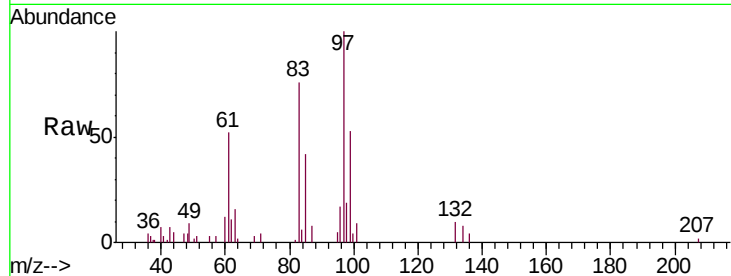




#46
 1,1,2-Trichloroethane
 Concen: 2.089 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW013316.D
 Acq: 27 Sep 2019 11:30

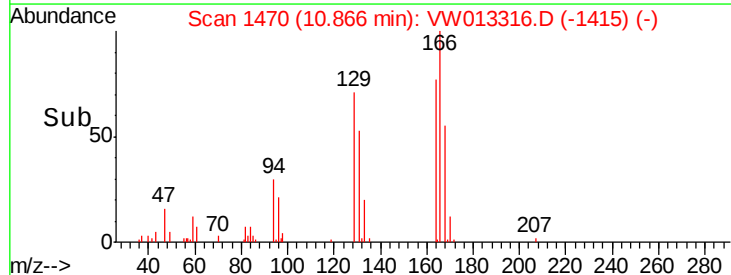
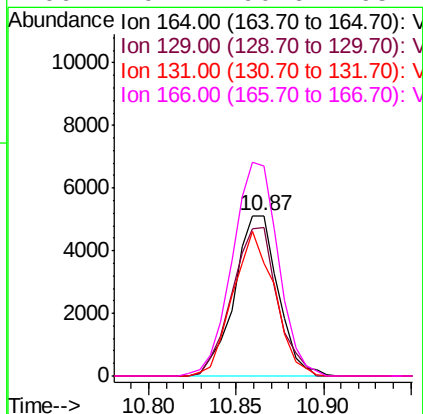
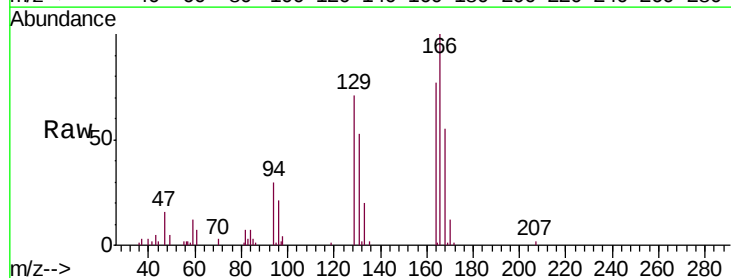
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

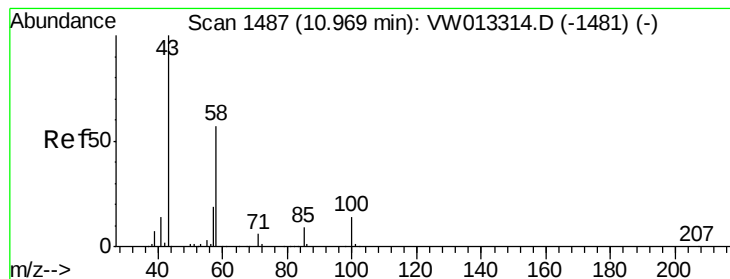
Tgt Ion:	97	Resp:	7780
Ion	Ratio	Lower	Upper
97	100		
83	75.6	59.4	110.2
85	41.5	38.7	71.9
99	52.6	45.8	85.0



#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

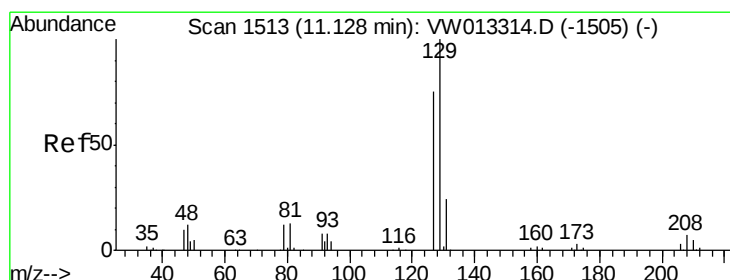
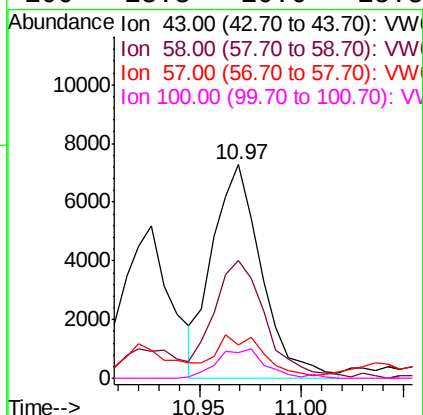
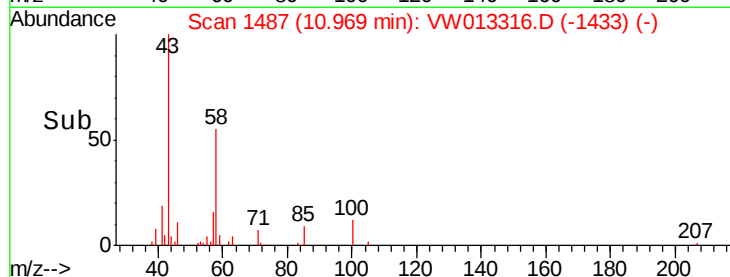
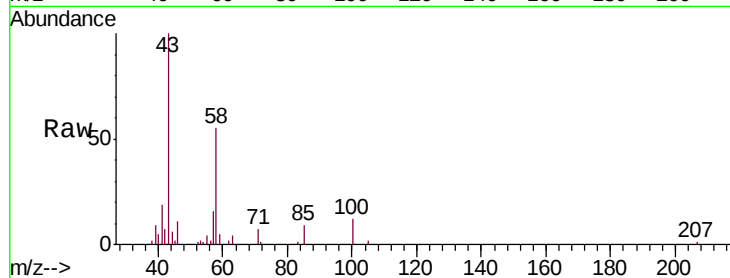




#49
2-Hexanone
Concen: 4.647 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

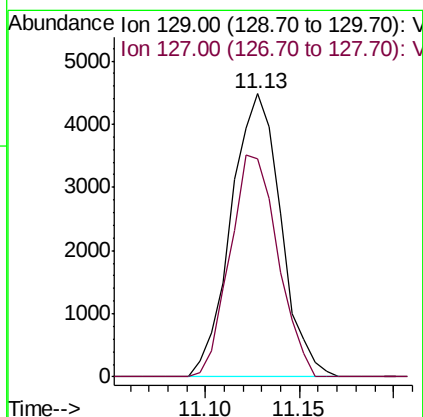
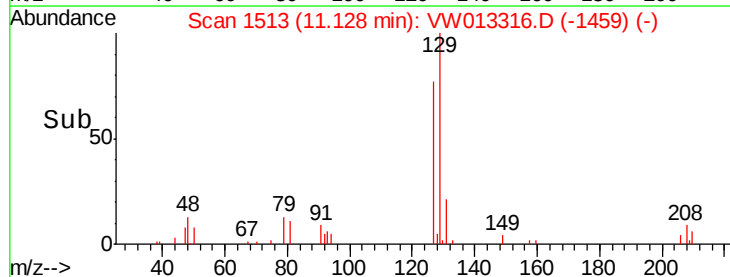
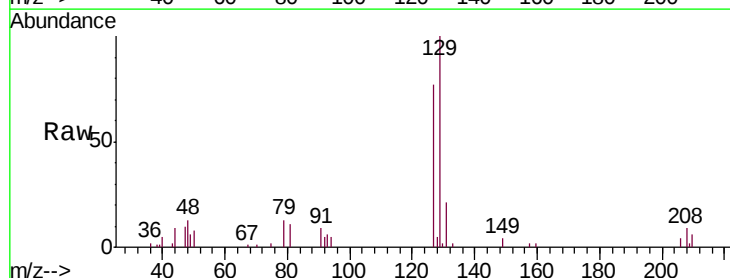
Instrument :
MSVOA_W
ClientSampleId :
MDL01

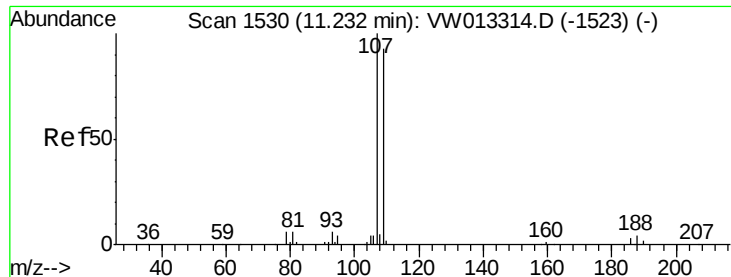
Tgt Ion: 43 Resp: 12157
Ion Ratio Lower Upper
43 100
58 58.0 44.3 66.5
57 19.1 15.3 22.9
100 13.3 10.6 15.8



#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

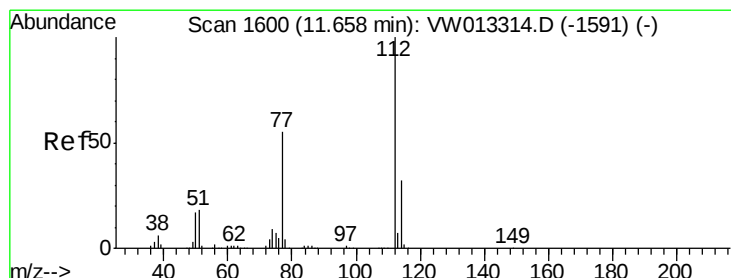
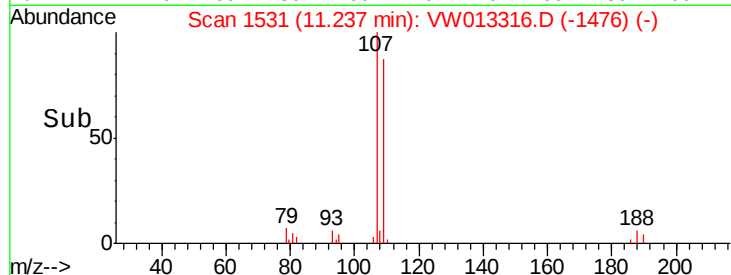
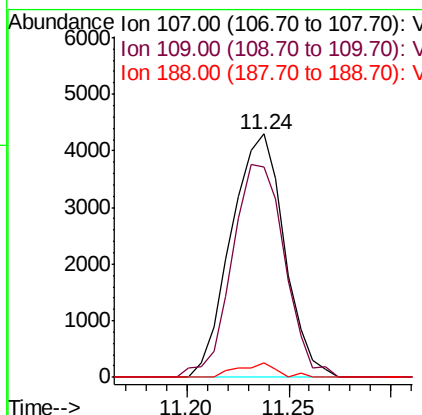
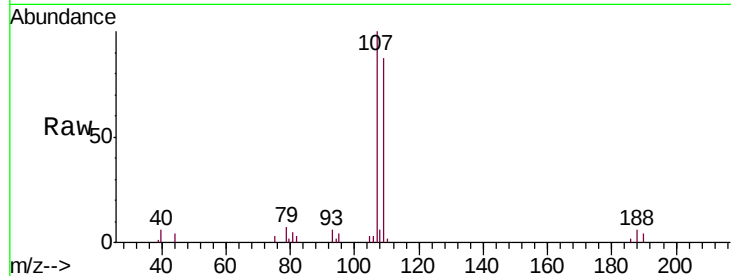




#51
 1,2-Dibromoethane
 Concen: 2.136 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW013316.D
 Acq: 27 Sep 2019 11:30

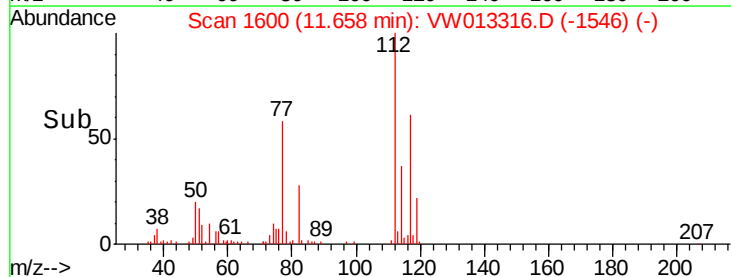
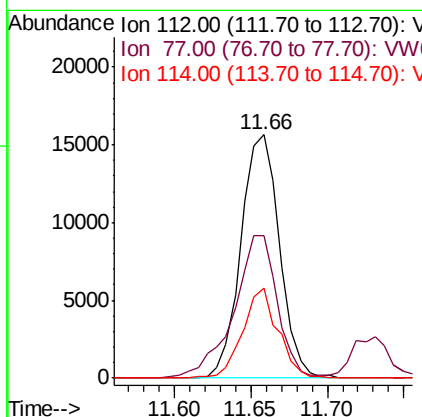
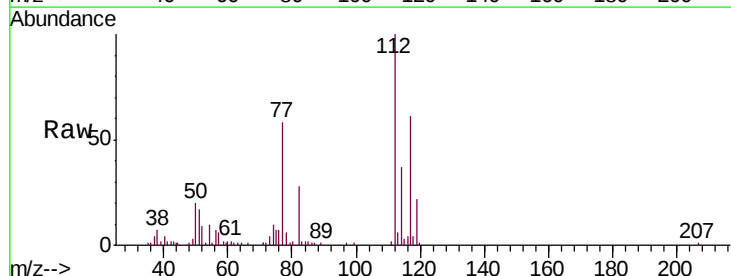
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

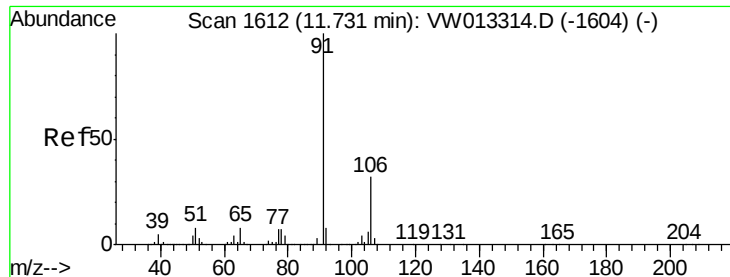
Tgt Ion:107 Resp: 7817
 Ion Ratio Lower Upper
 107 100
 109 86.6 65.5 121.6
 188 5.7 3.0 4.6#



#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 :

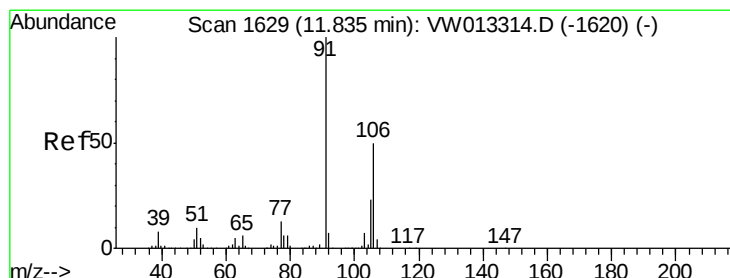
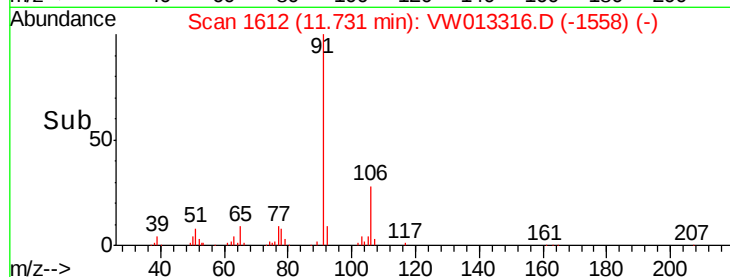
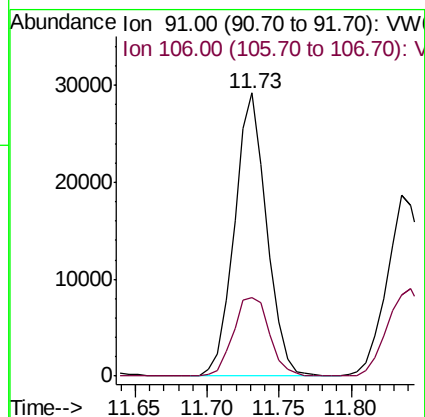
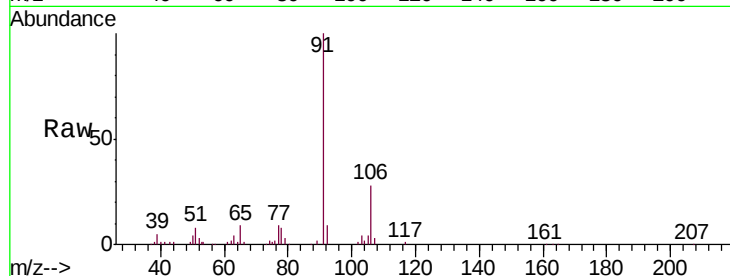
MDL01

Tgt 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

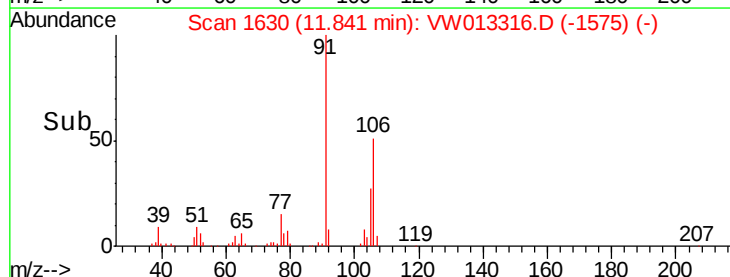
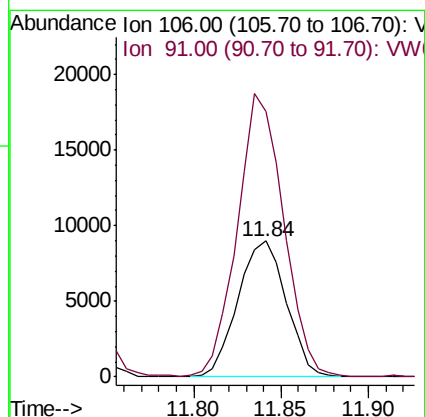
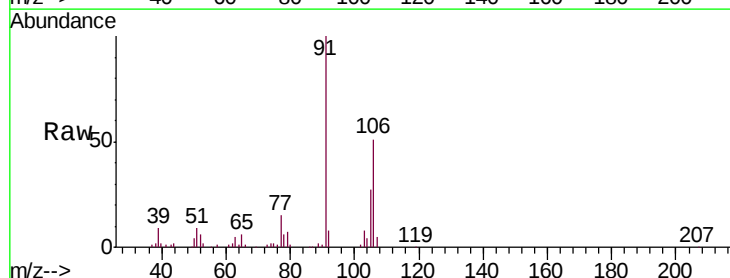
Acq: 27 Sep 2019 11:30

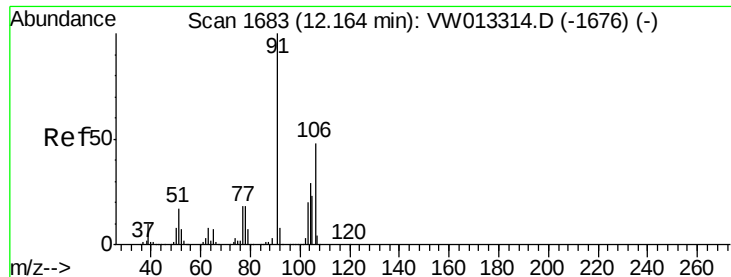
Tgt Ion: 106 Resp: 17341

Ion Ratio Lower Upper

106 100

91 195.3 138.3 256.9

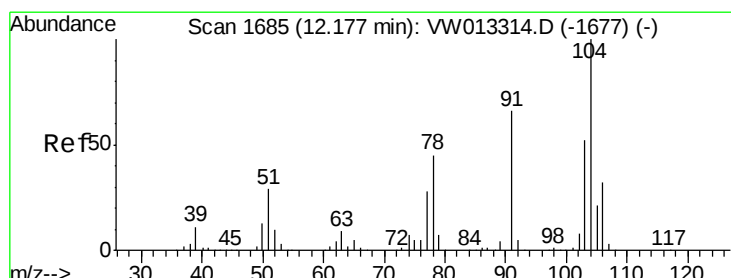
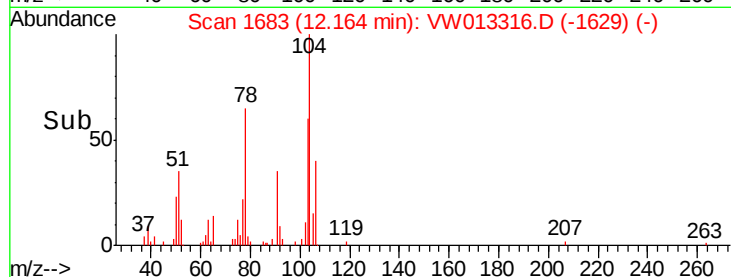
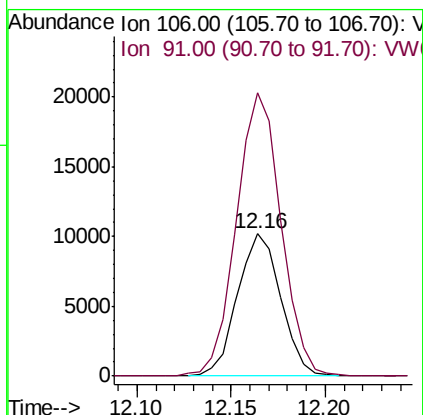
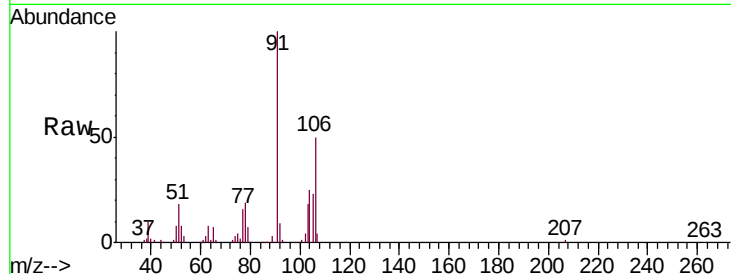




#55
o-xylene
Concen: 1.921 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013316.D
Acq: 27 Sep 2019 11:30

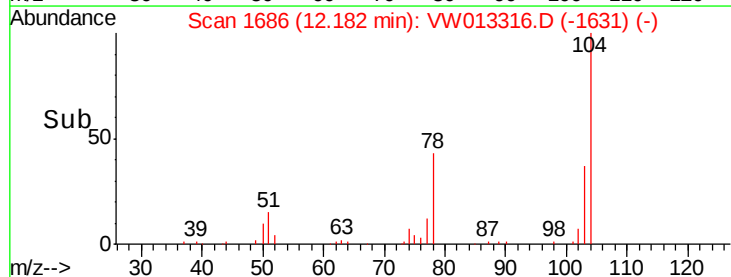
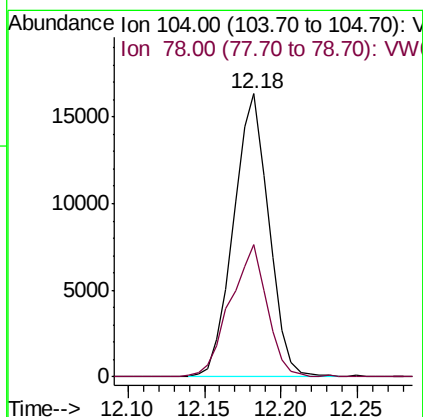
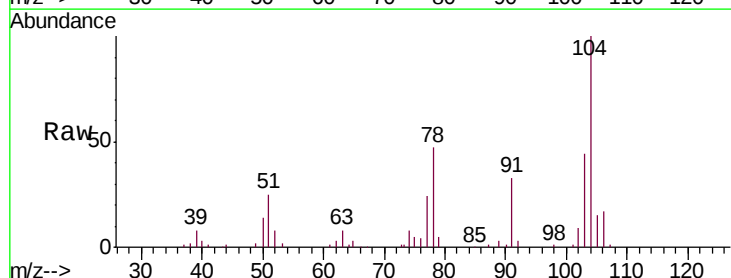
Instrument :
MSVOA_W
ClientSampled :
MDL01

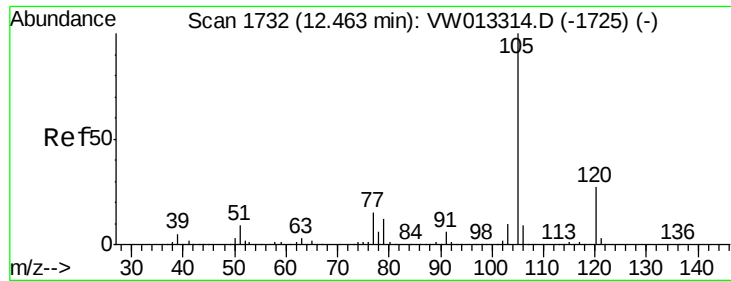
Tgt Ion:106 Resp: 16233
Ion Ratio Lower Upper
106 100
91 198.9 145.9 271.1



#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

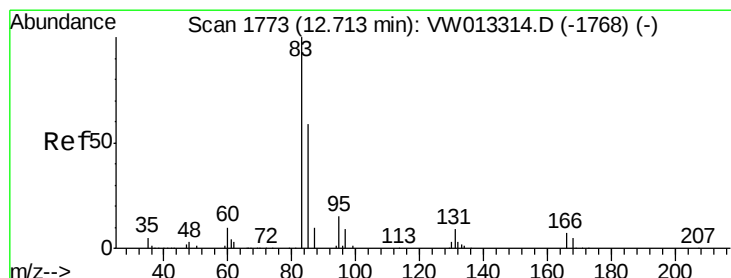
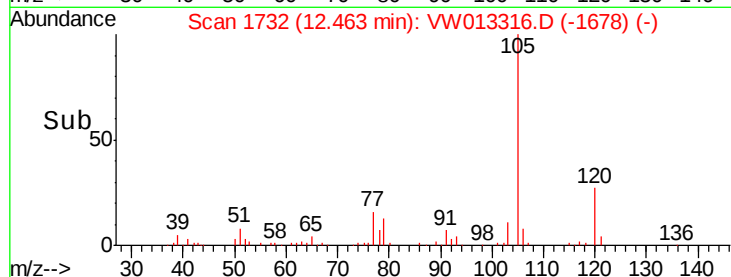
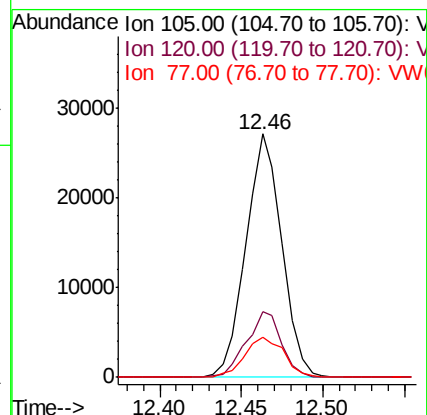
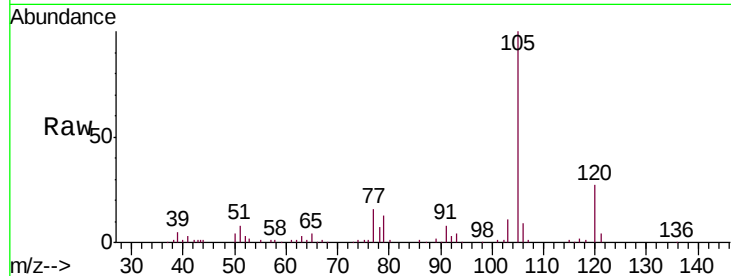
Tgt Ion: 105 Resp: 41561

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

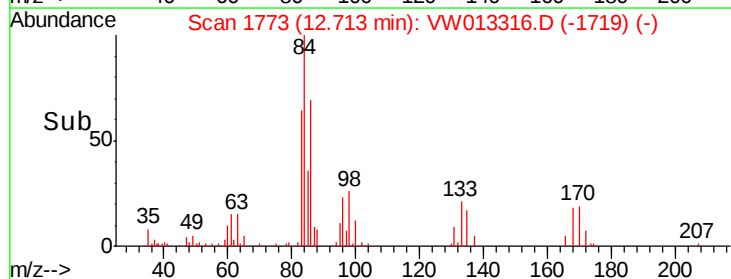
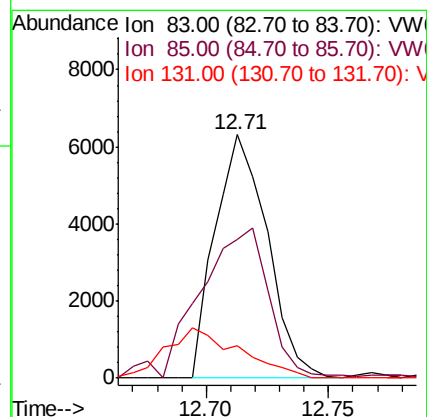
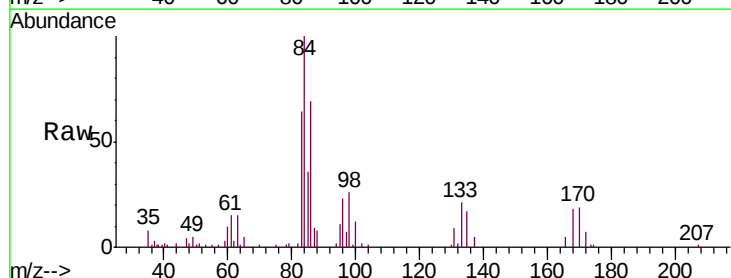
Tgt Ion: 83 Resp: 9369

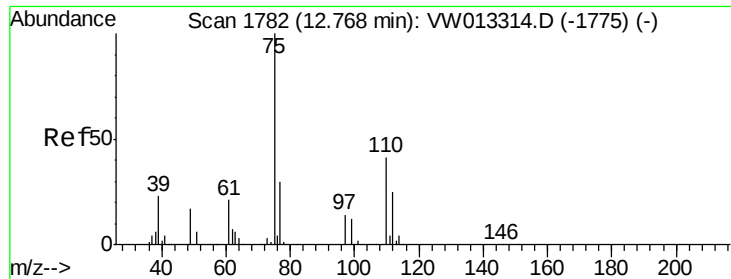
Ion Ratio Lower Upper

83 100

85 56.9 45.2 84.0

131 16.8 8.9 13.3#

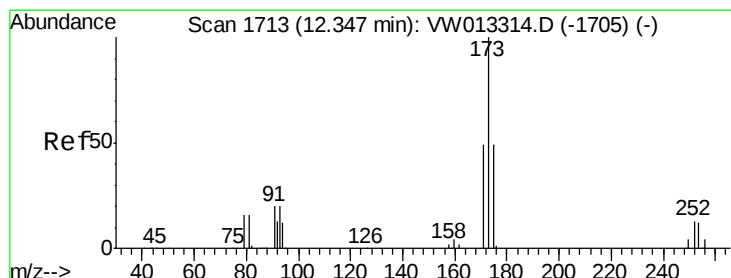
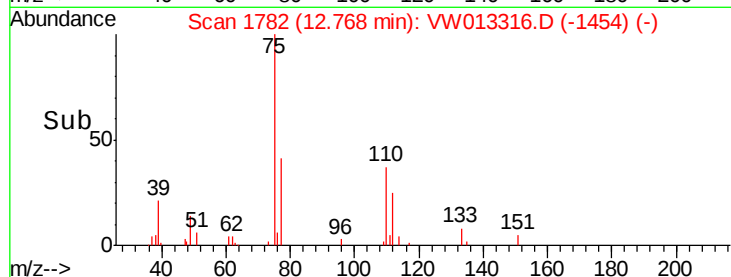
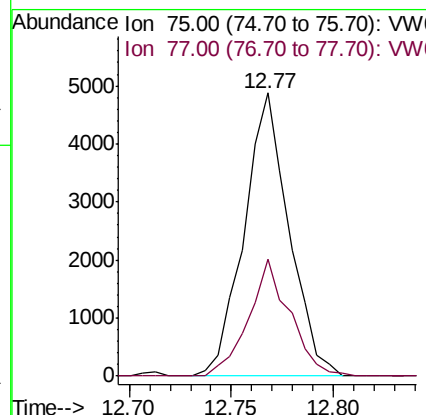
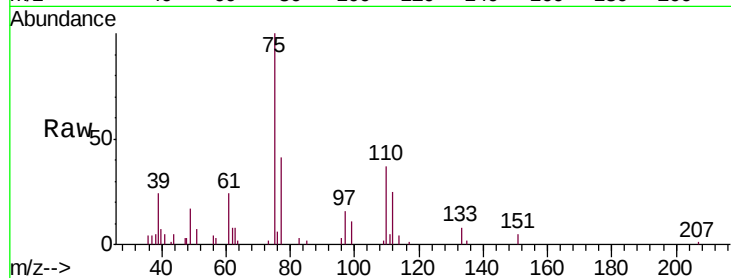




#59
 1,2,3-Trichloropropane
 Concen: 2.179 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013316.D
 Acq: 27 Sep 2019 11:30

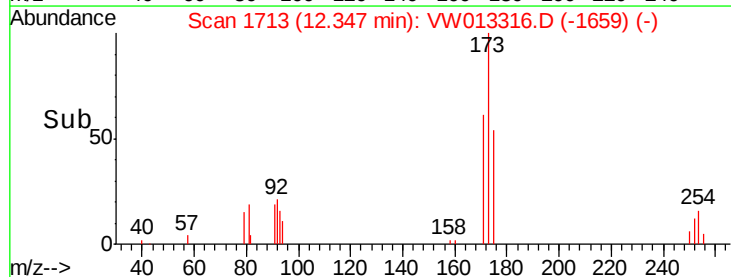
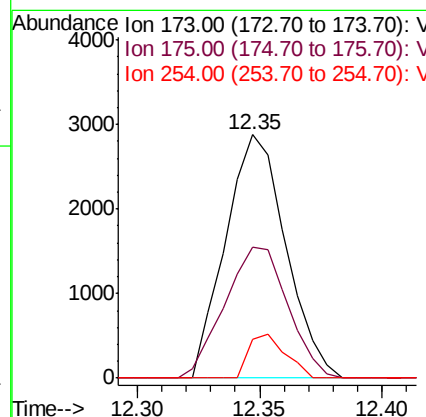
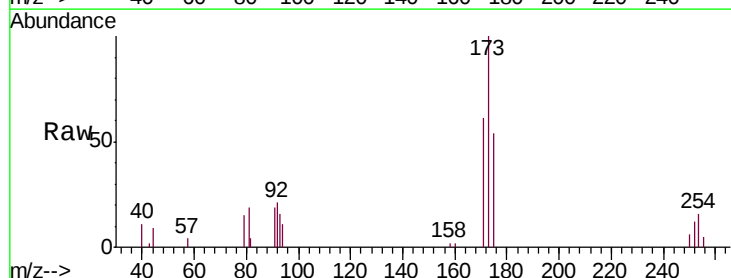
Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

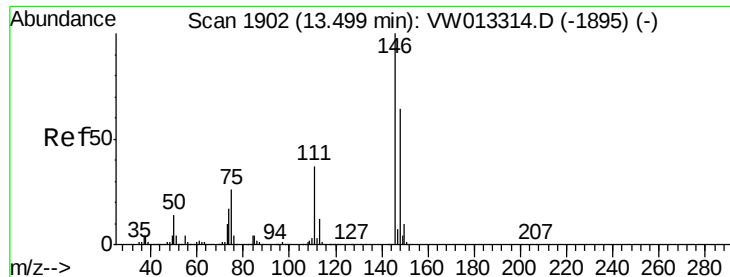
Tgt Ion: 75 Resp: 7460
 Ion Ratio Lower Upper
 75 100
 77 37.9 25.8 38.8



#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

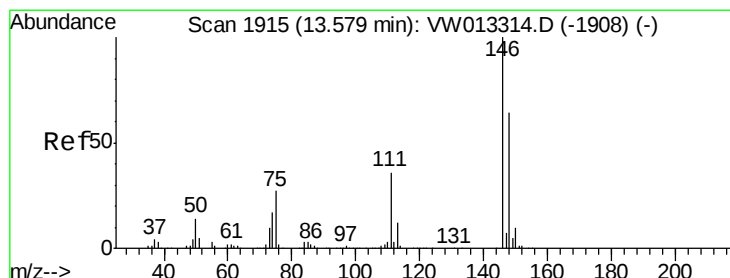
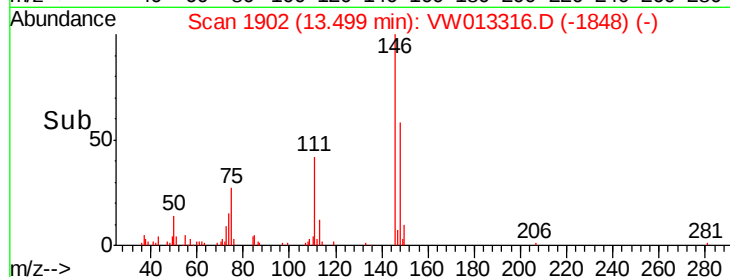
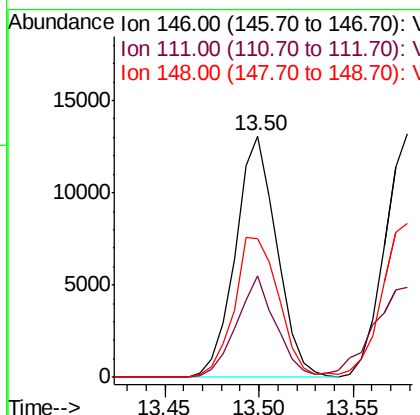
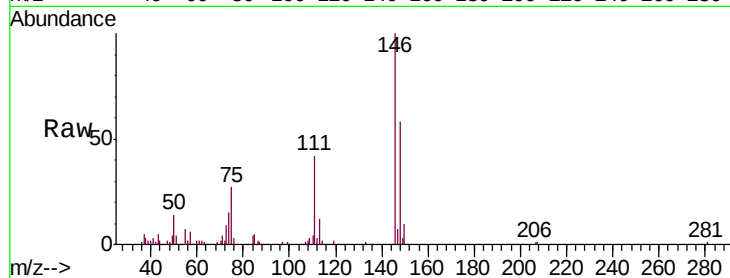




#63
 1,3-Dichlorobenzene
 Concen: 1.953 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013316.D
 Acq: 27 Sep 2019 11:30

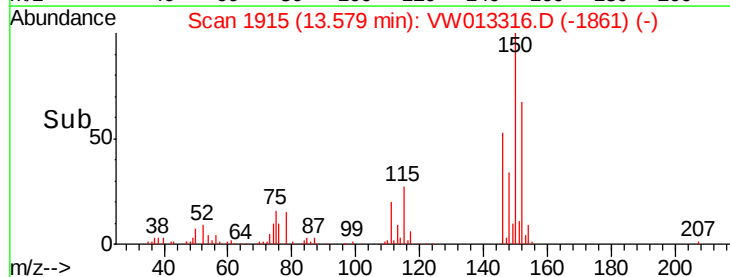
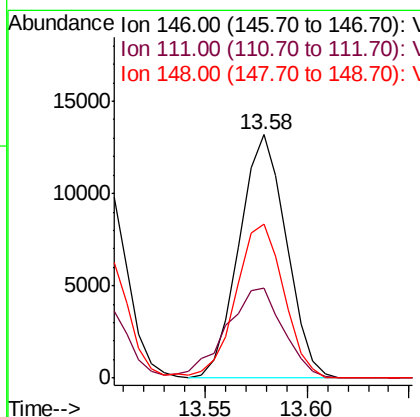
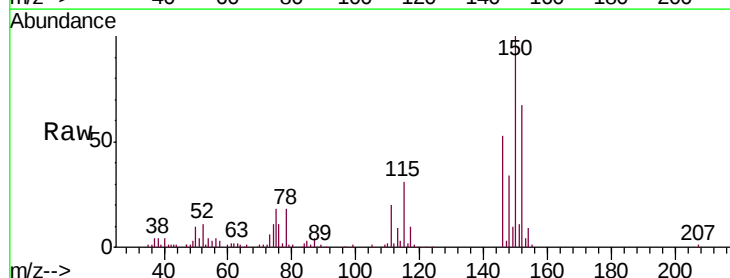
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

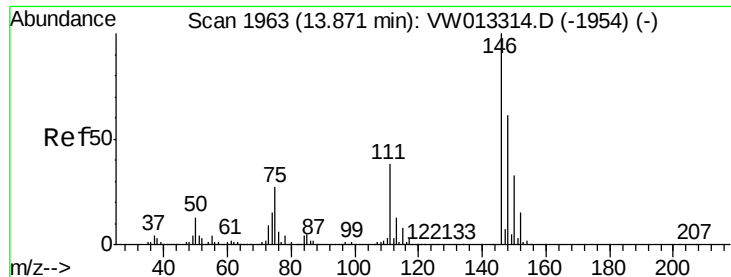
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	26.7	49.5
148	57.5	45.0	83.6



#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

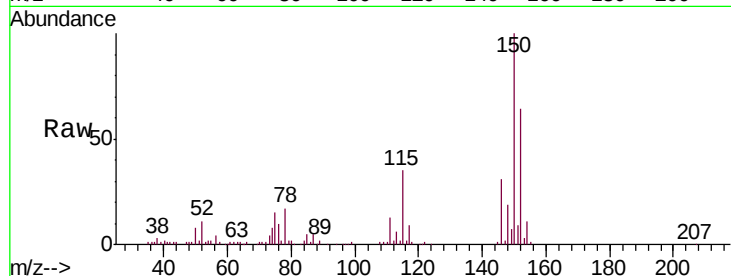
Tgt Ion:146 Resp: 18569

Ion Ratio Lower Upper

146 100

111 40.4 30.8 46.2

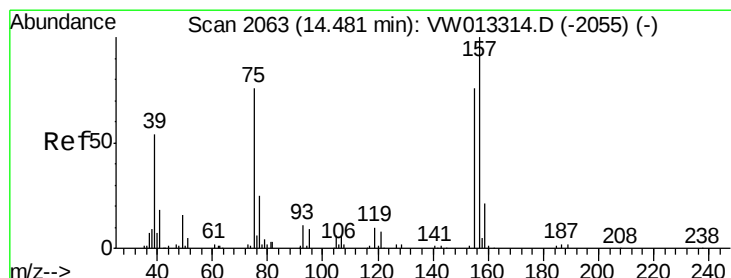
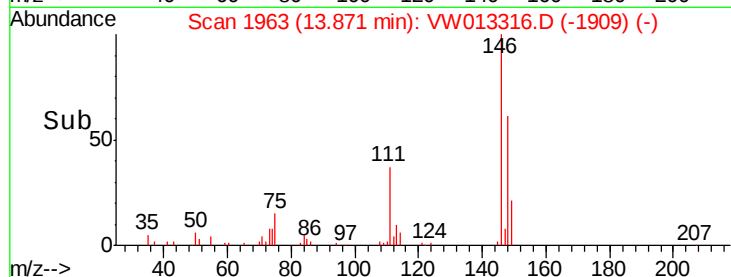
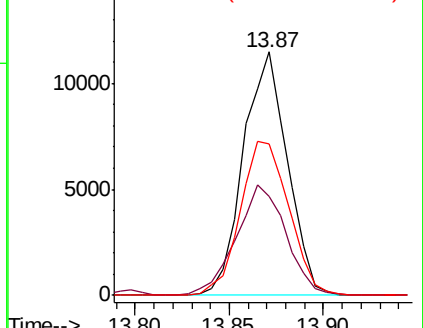
148 62.3 52.5 78.7



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

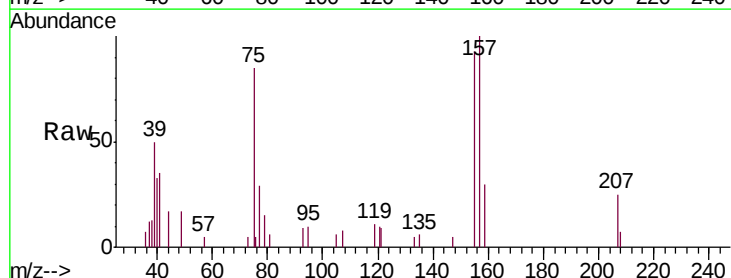
Tgt Ion: 75 Resp: 1683

Ion Ratio Lower Upper

75 100

157 111.1 97.8 146.8

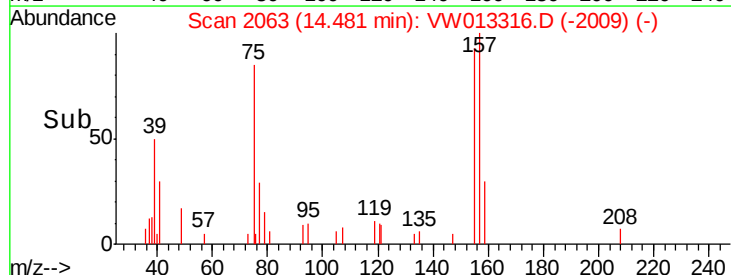
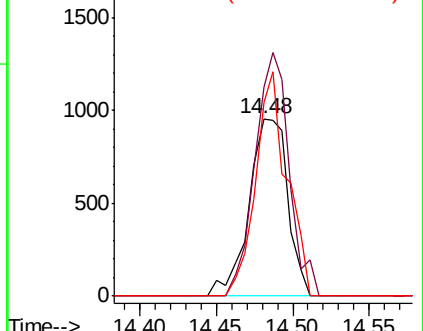
155 103.0 78.4 117.6

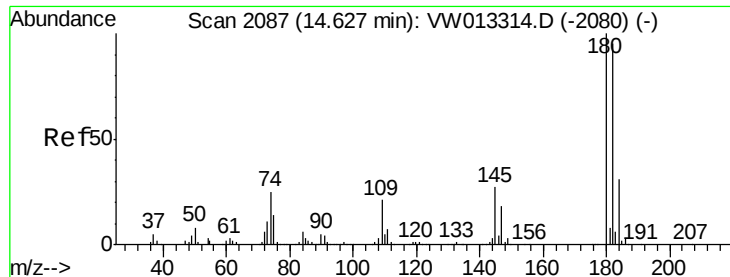


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

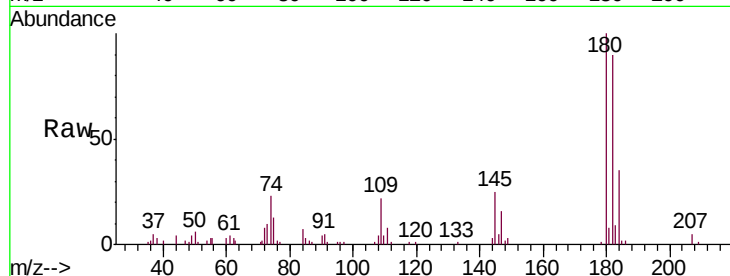




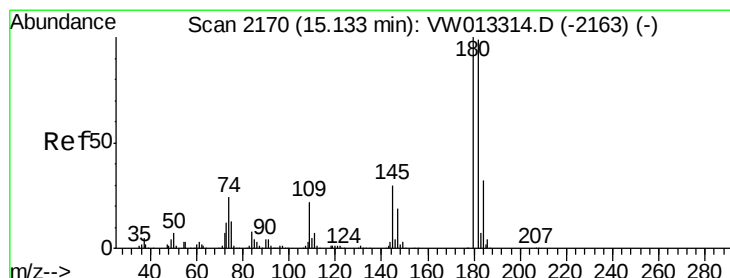
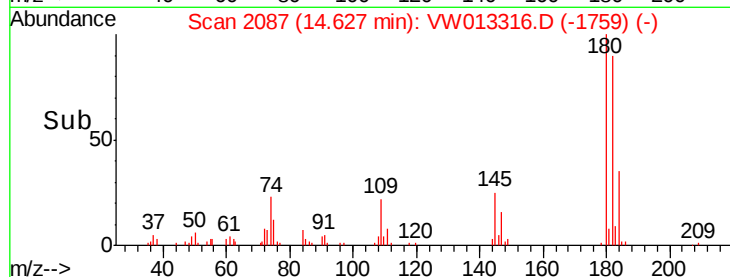
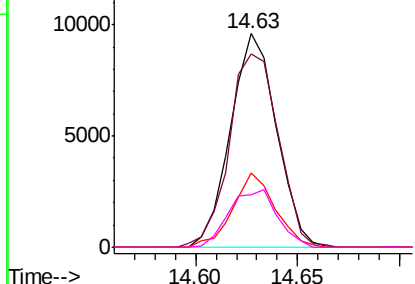
#67
 1,3,5-Trichlorobenzene
 Concen: 1.920 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013316.D
 Acq: 27 Sep 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tgt 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

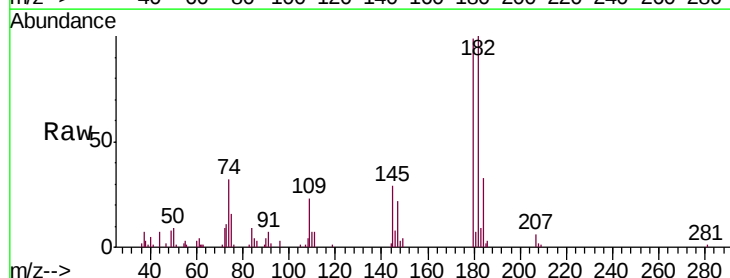


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

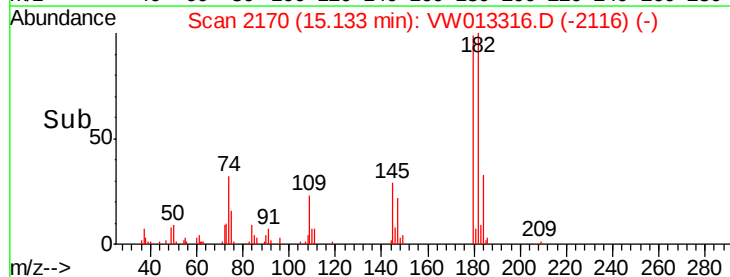
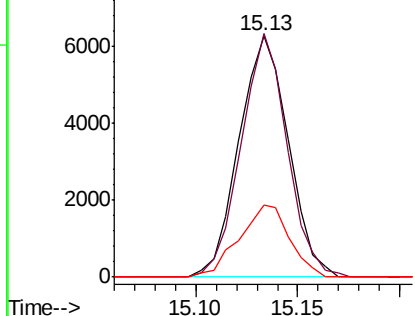


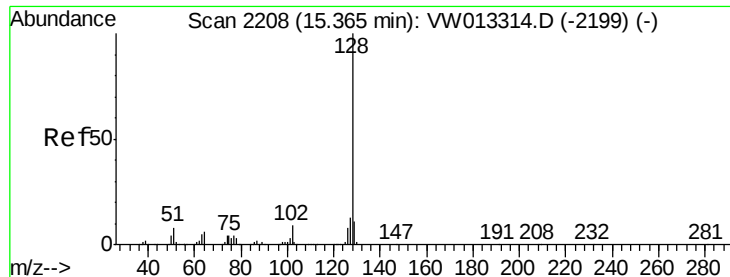
#68
 1,2,4-trichlorobenzene
 Concen: 1.678 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013316.D
 Acq: 27 Sep 2019 11:30

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

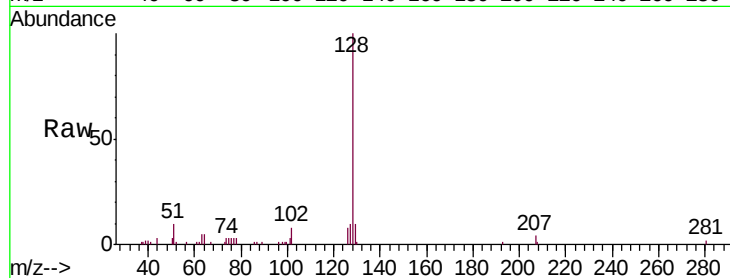
Tgt Ion:128 Resp: 18021

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

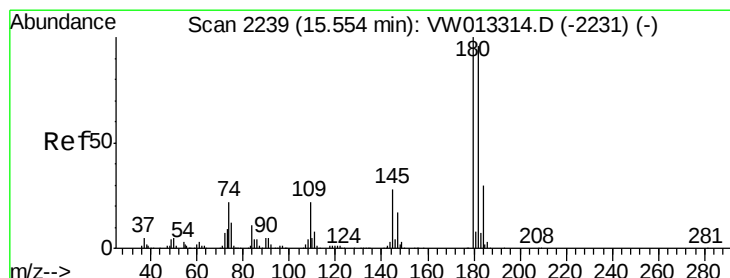
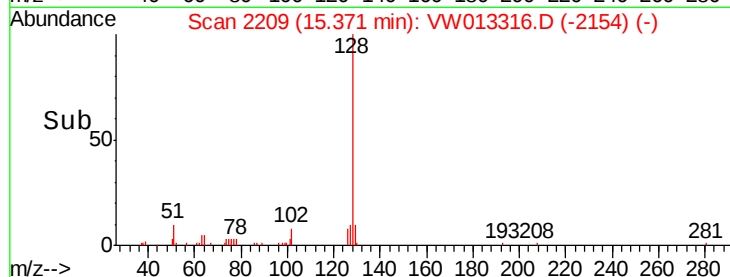
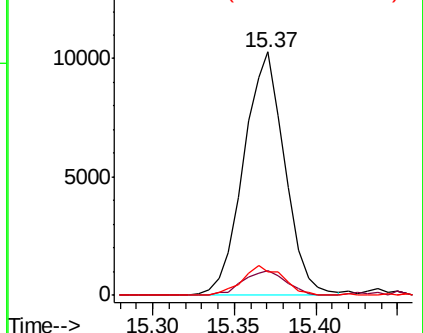
127 12.1 10.6 15.8



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

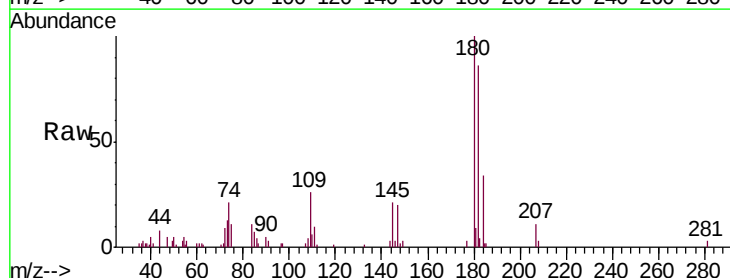
Tgt Ion:180 Resp: 9857

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

