

Data File : VW014983.D
Acq On : 13 Feb 2020 16:30
Operator : SY/VA
Sample : MDL02
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL02

Quant Time: Feb 14 04:23:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM021320SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Feb 13 12:39:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	702687	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	651485	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	264118	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	350355	24.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.04%
7) Chloroethane-d5	2.89	69	262071	24.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	4.02	63	474132	18.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.72%
21) 2-Butanone-d5	7.07	46	204472	51.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.68%
24) Chloroform-d	7.65	84	548014	24.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.12%
26) 1,2-Dichloroethane-d4	8.08	65	73	0.01	ug/L	-0.23
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.04%#
32) Benzene-d6	8.27	84	1120228	25.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.08%
36) 1,2-Dichloropropane-d6	9.27	67	383801	25.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.68%
41) Toluene-d8	10.32	98	940869	25.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.60%
43) trans-1,3-Dichloropropene-	10.58	79	141379	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.60%
47) 2-Hexanone-d5	10.92	63	140612	52.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.72%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	286826	25.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.84%
66) 1,2-Dichlorobenzene-d4	13.85	152	262464	26.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.60%

Target Compounds

					Qvalue
3) Chloromethane	2.21	50	26828	2.044 ug/L	98
6) Bromomethane	2.78	94	15999	2.087 ug/L	97
8) Chloroethane	2.92	64	18169	2.010 ug/L	99
9) Trichlorofluoromethane	3.26	101	11434	1.713 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	25398	2.326 ug/L #	60
12) 1,1-Dichloroethene	4.04	96	23958	2.288 ug/L #	1
13) Acetone	4.12	43	22648	5.501 ug/L	93
14) Carbon disulfide	4.39	76	74269	1.962 ug/L	97
15) Methyl Acetate	4.68	43	14562	2.038 ug/L	99
16) Methylene chloride	4.92	84	65952	5.080 ug/L	98
17) trans-1,2-Dichloroethene	5.42	96	21534	2.038 ug/L	88
18) Methyl tert-butyl Ether	5.43	73	25351	1.944 ug/L #	91
19) 1,1-Dichloroethane	6.21	63	46966	1.990 ug/L	96
22) 2-Butanone	7.17	43	25601	5.172 ug/L	96
23) Bromochloromethane	7.51	128	9406	2.129 ug/L	88
25) Chloroform	7.68	83	46318	2.202 ug/L	94
27) 1,2-Dichloroethane	8.40	62	33792	2.186 ug/L	100

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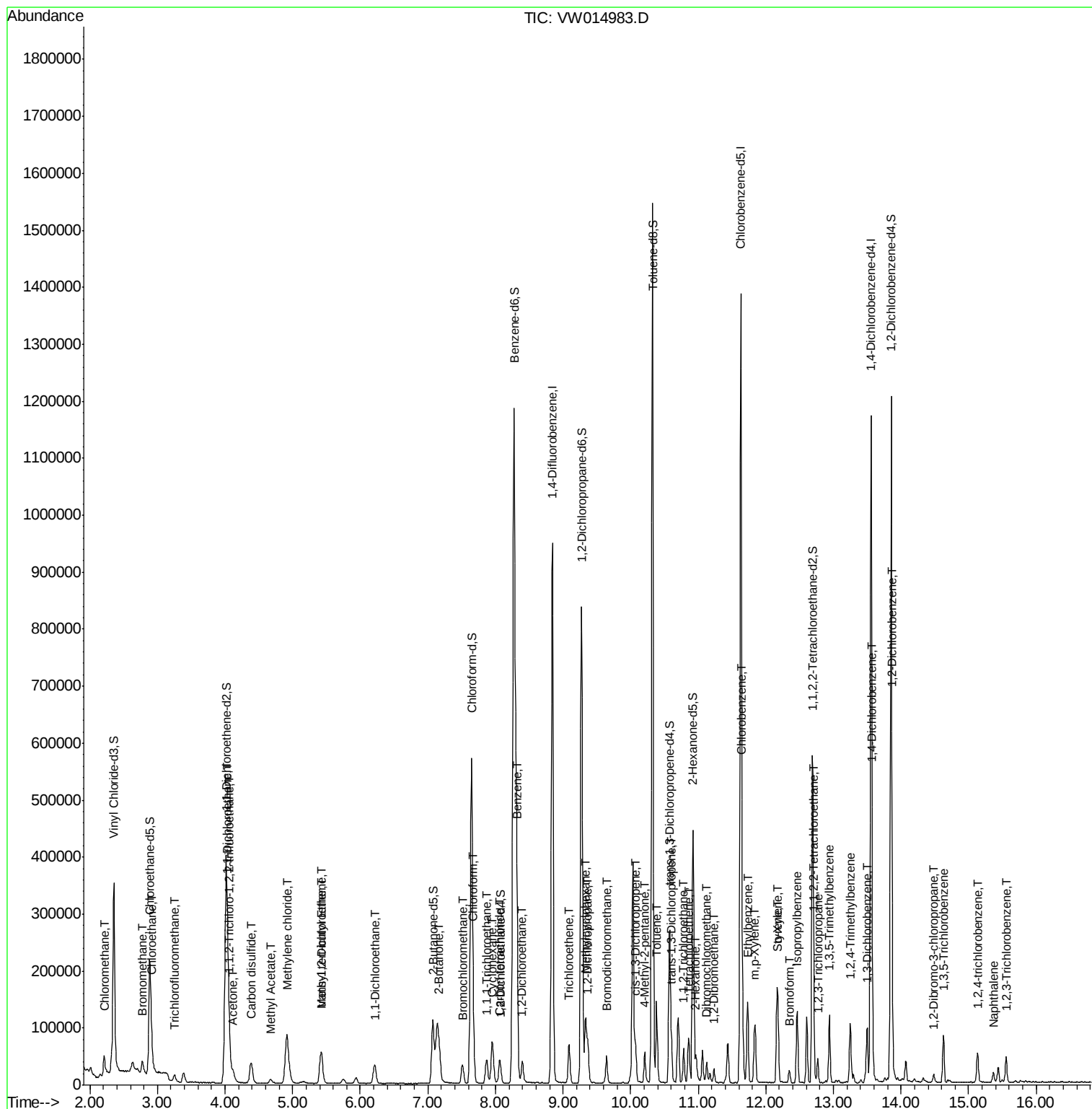
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.95	56	34948	1.645	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	32414	2.045	ug/L	98
31) Carbon tetrachloride	8.07	117	28523	1.997	ug/L	99
33) Benzene	8.32	78	108598	2.270	ug/L	100
34) Trichloroethene	9.09	95	23872	2.084	ug/L	95
35) Methylcyclohexane	9.33	83	35138	1.778	ug/L	96
37) 1,2-Dichloropropane	9.37	63	27499	2.058	ug/L #	96
38) Bromodichloromethane	9.64	83	30389	2.020	ug/L	99
39) cis-1,3-Dichloropropene	10.07	75	35631	1.994	ug/L	94
40) 4-Methyl-2-pentanone	10.21	43	37643	3.958	ug/L	100
42) Toluene	10.38	91	97325	2.106	ug/L	96
44) trans-1,3-Dichloropropene	10.60	75	34640	2.336	ug/L	94
45) 1,1,2-Trichloroethane	10.79	97	16754	2.067	ug/L	94
46) Tetrachloroethene	10.86	164	15548	2.090	ug/L	94
48) 2-Hexanone	10.97	43	28373	4.094	ug/L	97
49) Dibromochloromethane	11.13	129	17099	2.025	ug/L	95
50) 1,2-Dibromoethane	11.23	107	15138	2.072	ug/L	97
51) Chlorobenzene	11.65	112	55080	2.020	ug/L	97
52) Ethylbenzene	11.73	91	92604	1.839	ug/L	97
53) m,p-Xylene	11.84	106	30306	1.716	ug/L	97
54) o-Xylene	12.16	106	27432	1.654	ug/L	95
55) Styrene	12.18	104	44800	1.567	ug/L	88
57) 1,1,2,2-Tetrachloroethane	12.71	83	24621	2.271	ug/L	99
59) Bromoform	12.35	173	8554	2.118	ug/L	95
60) Isopropylbenzene	12.46	105	71047	1.718	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	17441	2.253	ug/L	97
62) 1,3,5-Trimethylbenzene	12.94	105	54340	1.648	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	50038	1.551	ug/L	97
64) 1,3-Dichlorobenzene	13.50	146	33526	1.967	ug/L	97
65) 1,4-Dichlorobenzene	13.58	146	35720	2.033	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	33456	2.121	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.48	75	3690	2.280	ug/L	97
69) 1,3,5-Trichlorobenzene	14.63	180	21314	1.866	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	13895	1.623	ug/L	97
71) Naphthalene	15.37	128	12932	1.471	ug/L #	96
72) 1,2,3-Trichlorobenzene	15.55	180	13548	1.708	ug/L	99

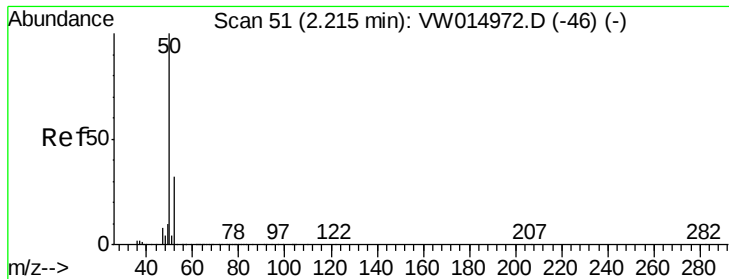
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 2.044 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

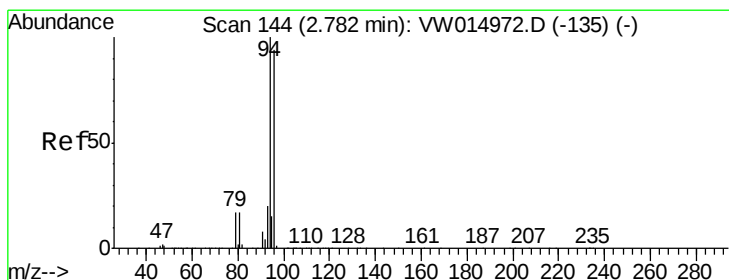
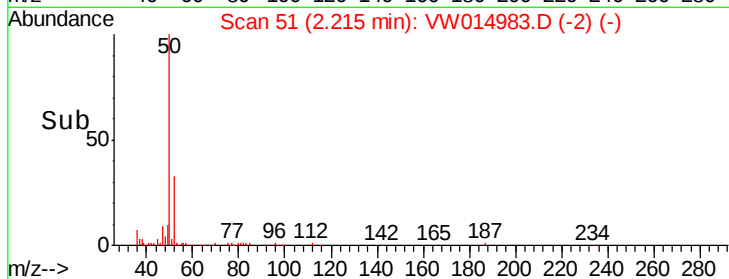
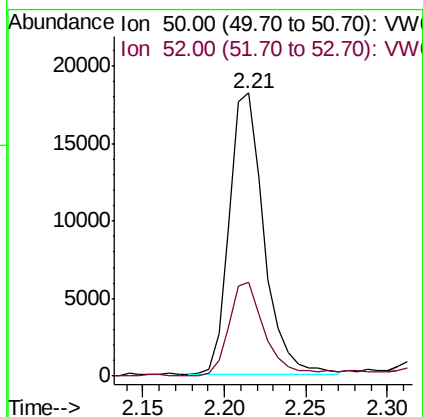
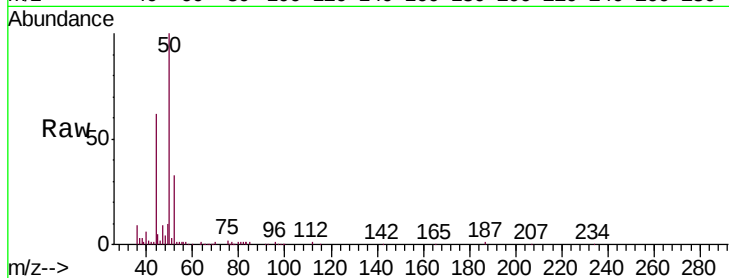
MDL02

Tgt Ion: 50 Resp: 26828

Ion Ratio Lower Upper

50 100

52 33.1 22.3 41.3



#6

Bromomethane

Concen: 2.087 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014983.D

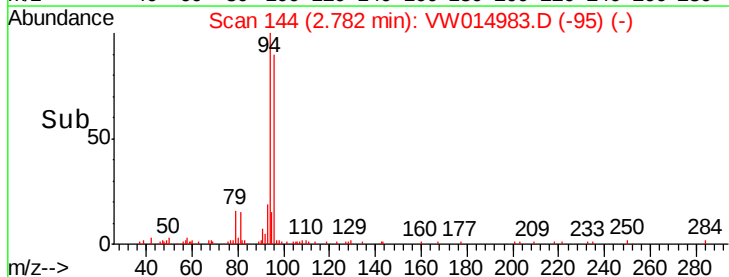
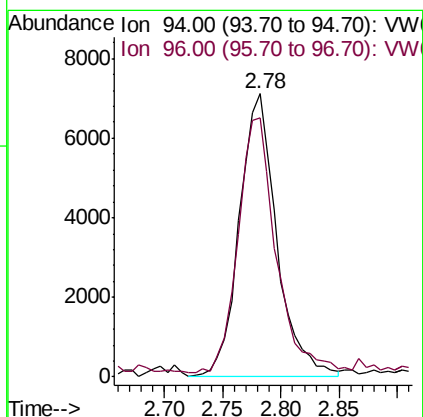
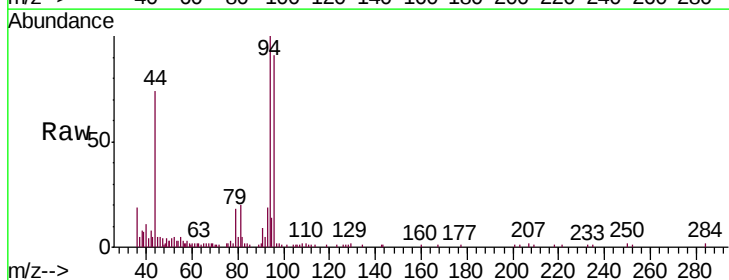
Acq: 13 Feb 2020 16:30

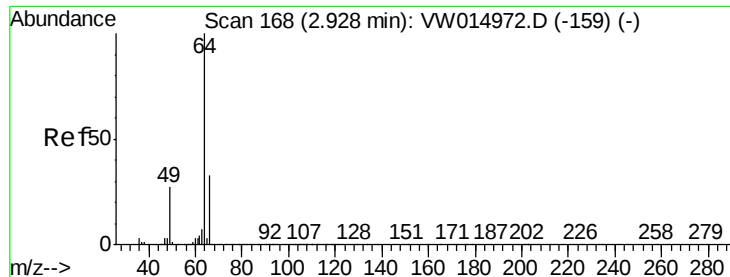
Tgt Ion: 94 Resp: 15999

Ion Ratio Lower Upper

94 100

96 91.5 65.8 122.2





#8

Chloroethane

Concen: 2.010 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

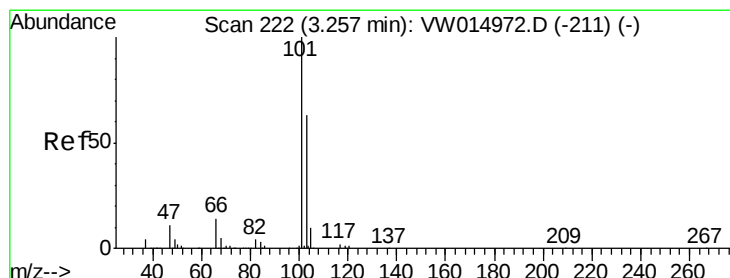
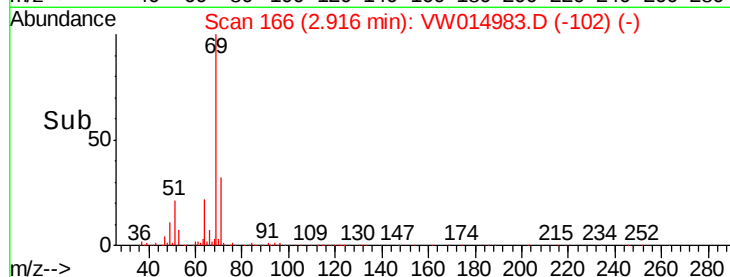
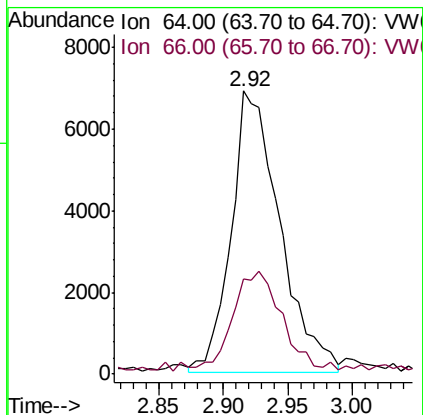
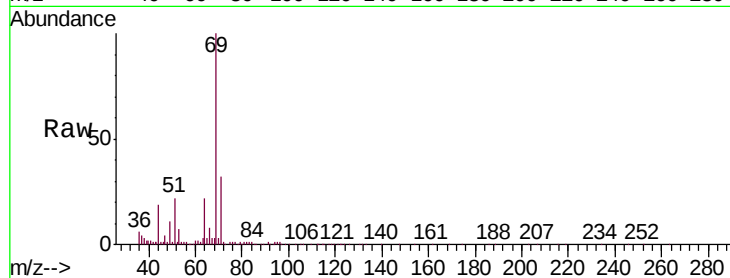
MDL02

Tgt Ion: 64 Resp: 18169

Ion Ratio Lower Upper

64 100

66 33.7 23.1 42.9



#9

Trichlorofluoromethane

Concen: 1.713 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014983.D

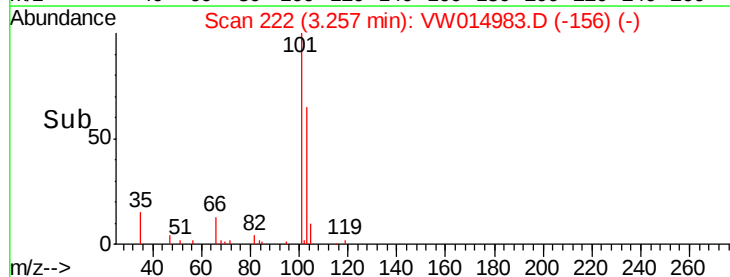
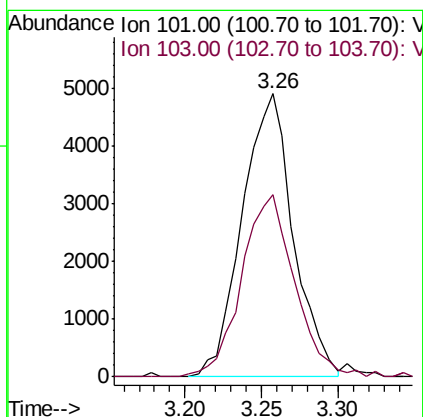
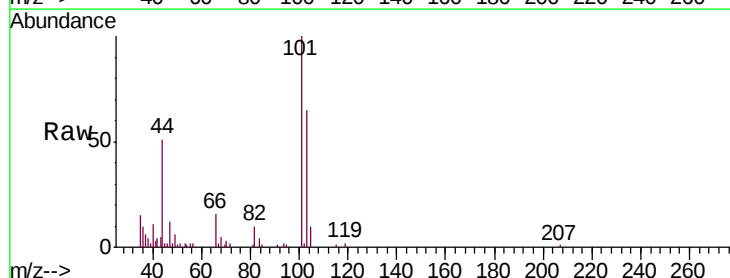
Acq: 13 Feb 2020 16:30

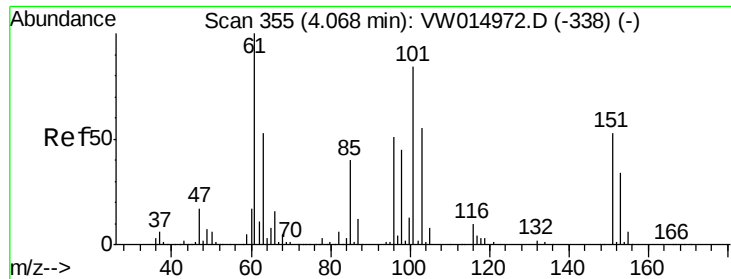
Tgt Ion: 101 Resp: 11434

Ion Ratio Lower Upper

101 100

103 66.4 51.5 77.3





#10

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

Concen: 2.326 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL02

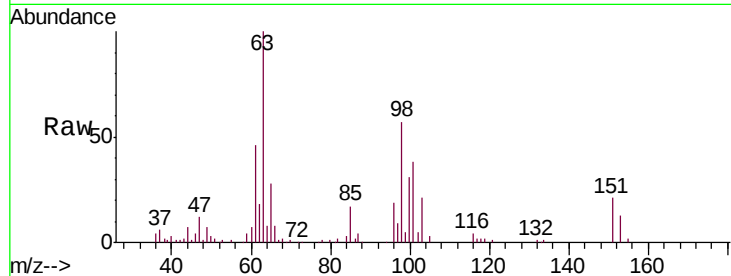
Tgt Ion: 101 Resp: 25398

Ion Ratio Lower Upper

101 100

85 27.3 36.5 54.7#

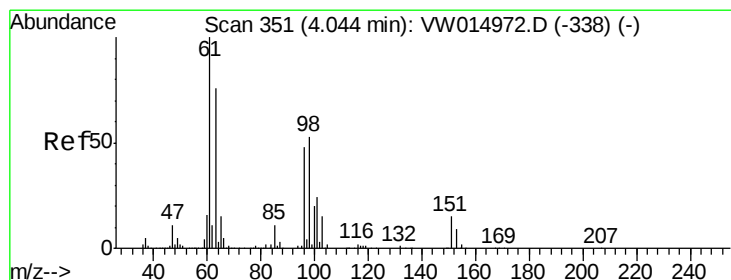
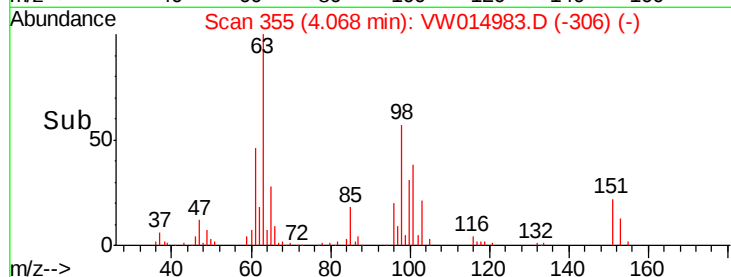
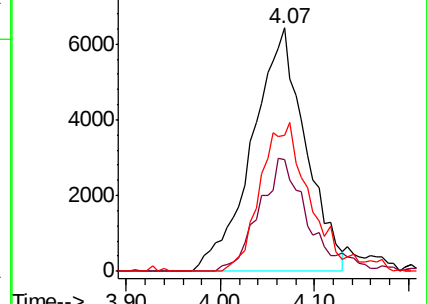
151 24.6 50.2 75.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.288 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

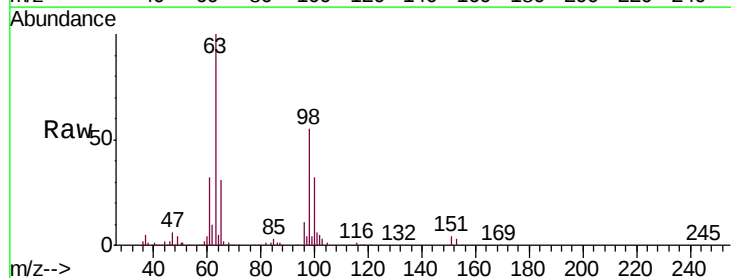
Tgt Ion: 96 Resp: 23958

Ion Ratio Lower Upper

96 100

61 298.7 147.0 273.0#

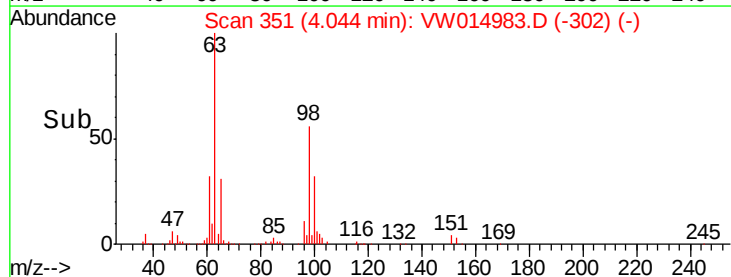
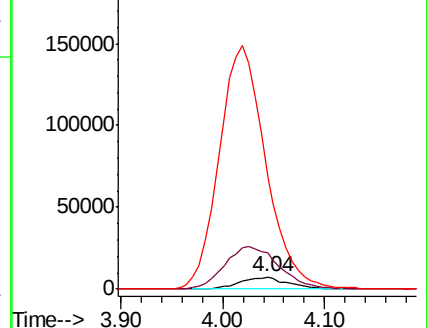
63 935.9 113.4 210.6#

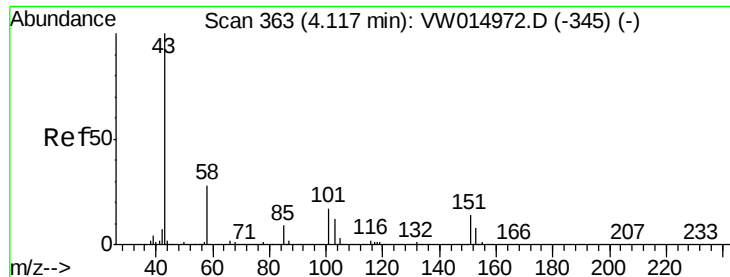


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.501 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

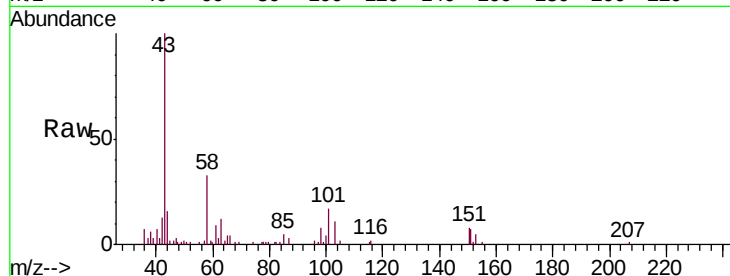
MDL02

Tgt Ion: 43 Resp: 22648

Ion Ratio Lower Upper

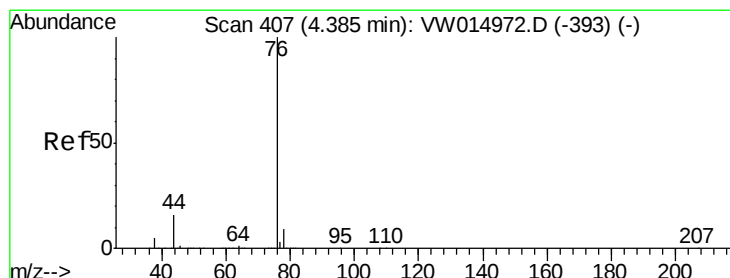
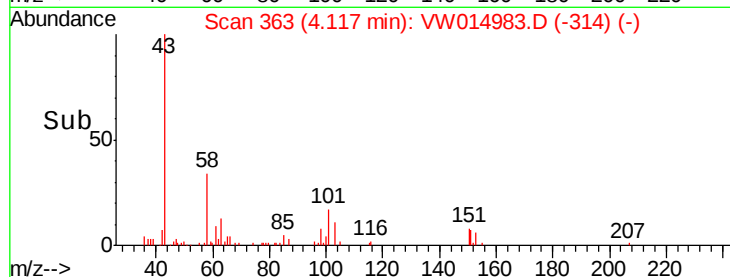
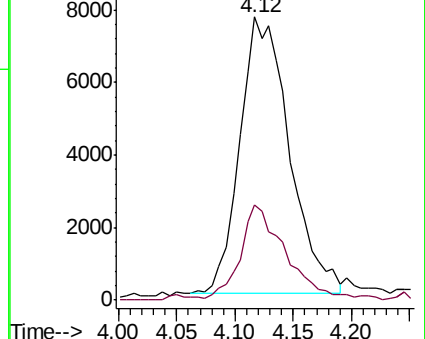
43 100

58 30.9 0.0 54.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.962 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014983.D

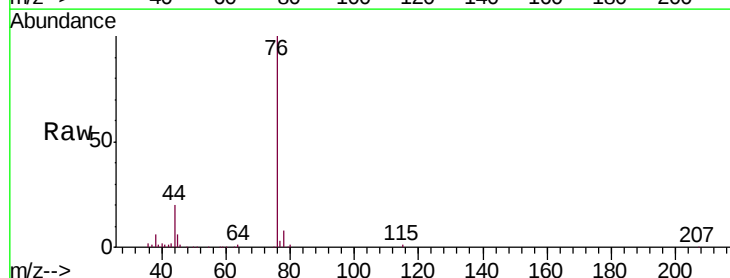
Acq: 13 Feb 2020 16:30

Tgt Ion: 76 Resp: 74269

Ion Ratio Lower Upper

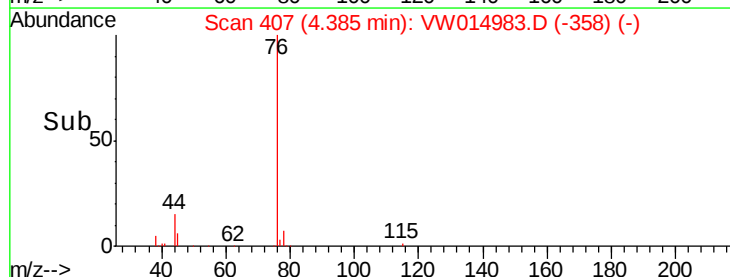
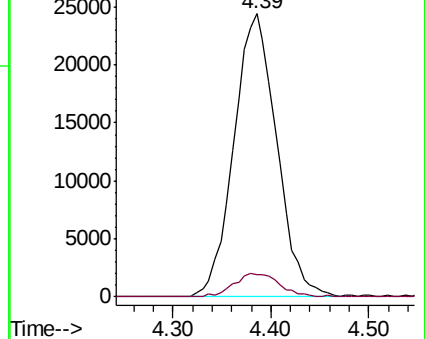
76 100

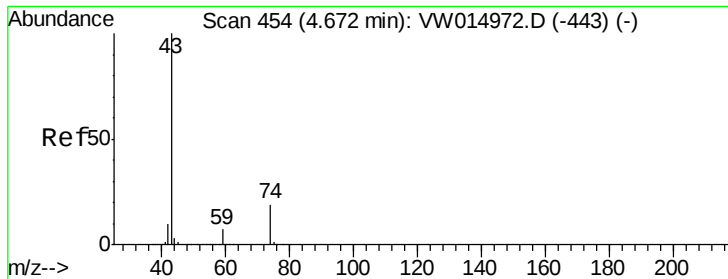
78 8.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

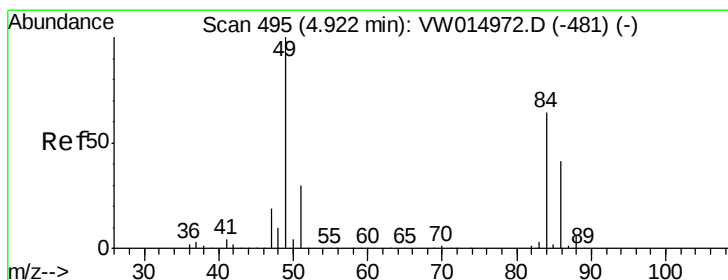
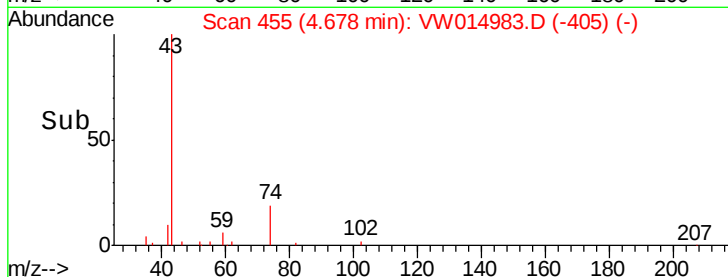
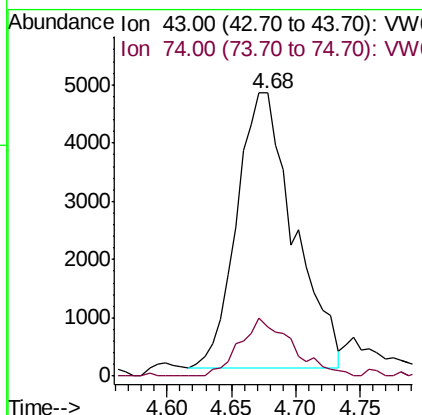
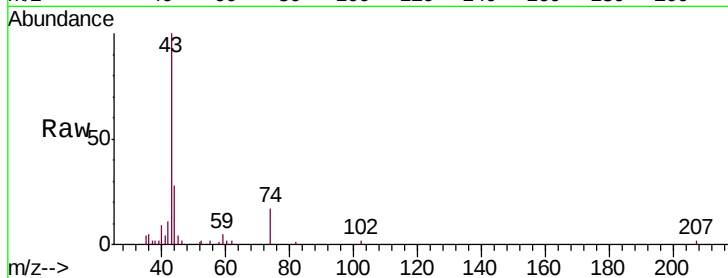




#15
Methyl Acetate
Concen: 2.038 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW014983.D
Acq: 13 Feb 2020 16:30

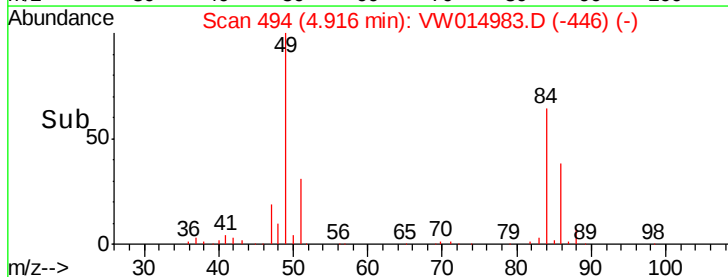
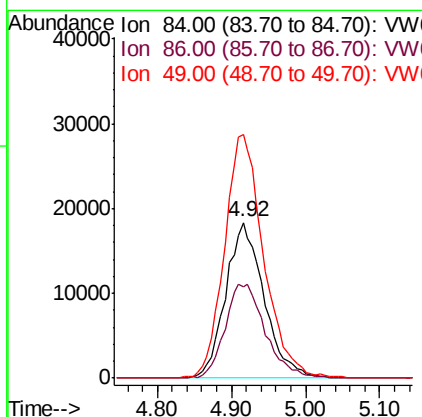
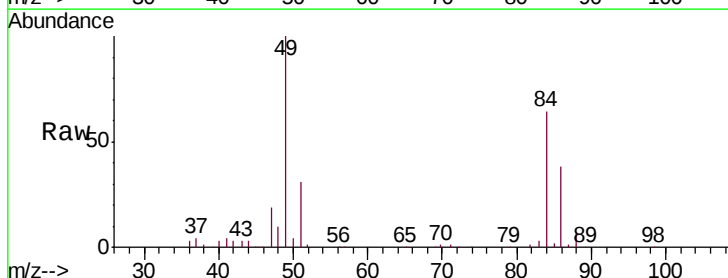
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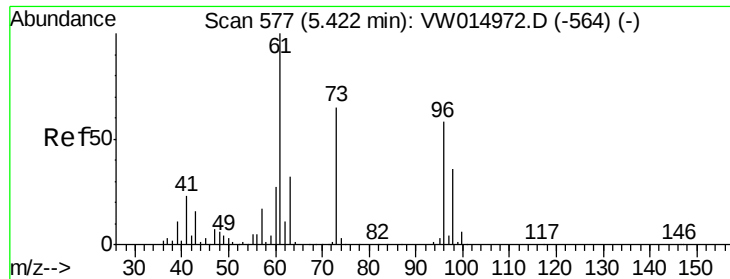
Tgt Ion: 43 Resp: 14562
Ion Ratio Lower Upper
43 100
74 17.6 14.6 21.8



#16
Methylene chloride
Concen: 5.080 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW014983.D
Acq: 13 Feb 2020 16:30

Tgt Ion: 84 Resp: 65952
Ion Ratio Lower Upper
84 100
86 59.0 44.4 82.4
49 156.5 109.0 202.4

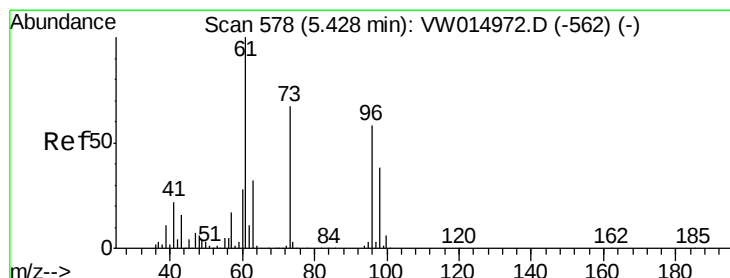
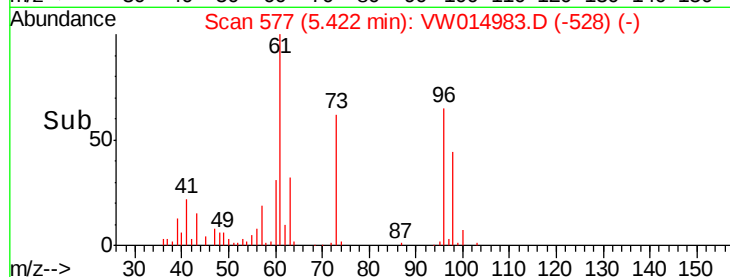
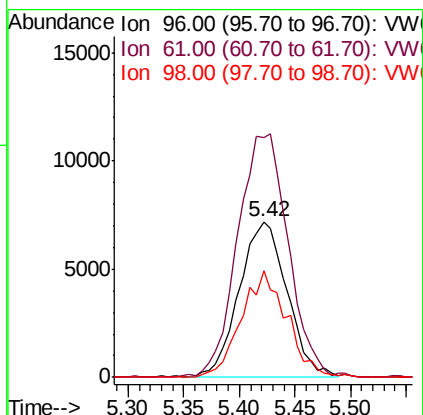
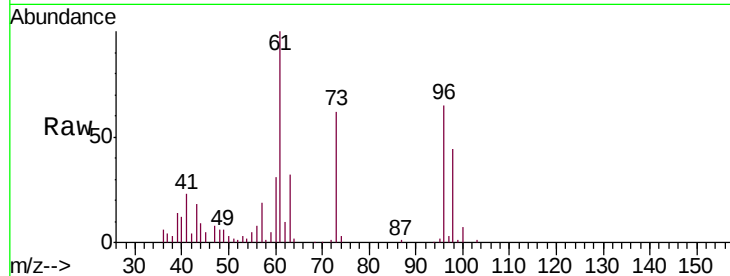




#17
trans-1,2-Dichloroethene
Concen: 2.038 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014983.D
Acq: 13 Feb 2020 16:30

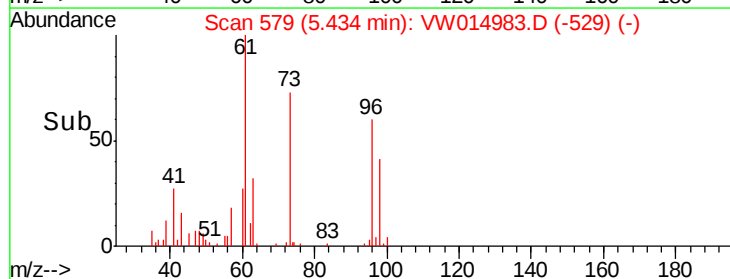
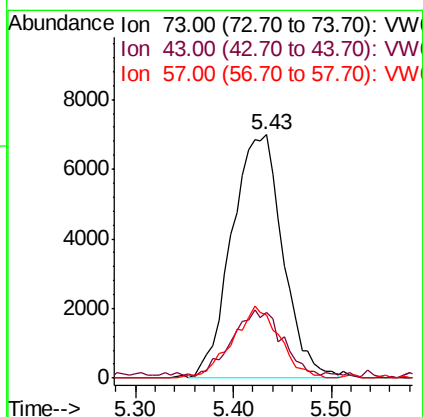
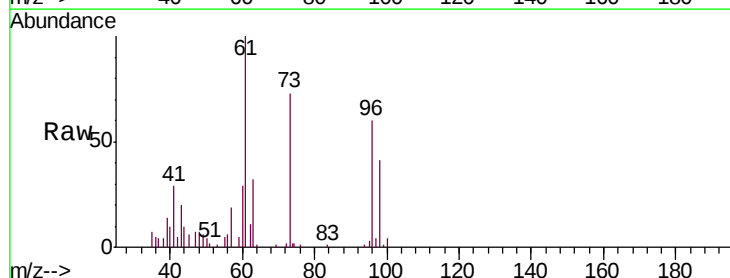
Instrument :
MSVOA_W
ClientSampled :
MDL02

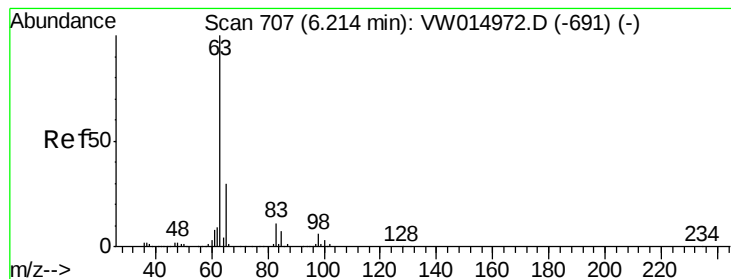
Tgt Ion: 96 Resp: 21534
Ion Ratio Lower Upper
96 100
61 153.7 120.1 223.1
98 68.2 43.8 81.3



#18
Methyl tert-butyl Ether
Concen: 1.944 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW014983.D
Acq: 13 Feb 2020 16:30

Tgt Ion: 73 Resp: 25351
Ion Ratio Lower Upper
73 100
43 15.8 19.6 29.4#
57 26.6 21.0 31.4





#19

1,1-Dichloroethane

Concen: 1.990 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

MDL02

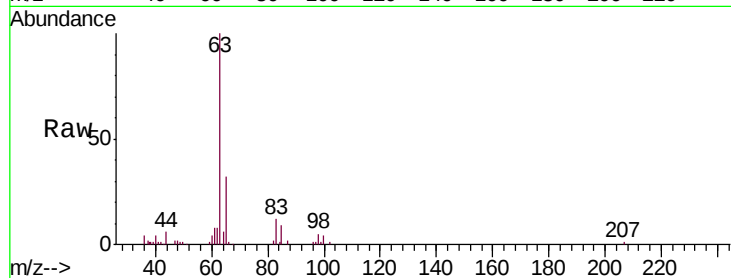
Tgt Ion: 63 Resp: 46966

Ion Ratio Lower Upper

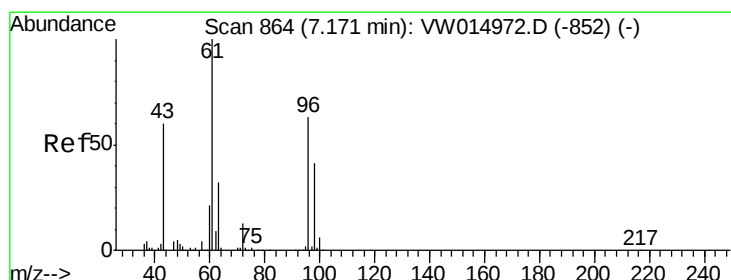
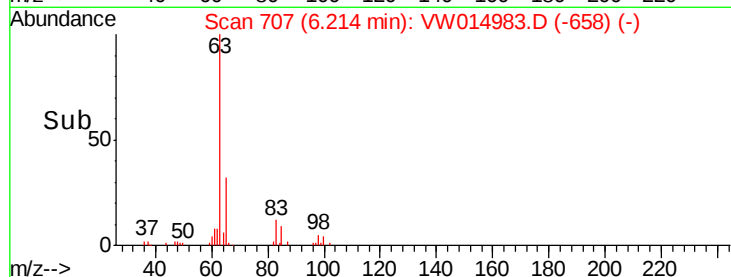
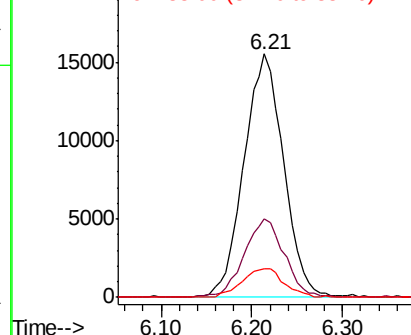
63 100

65 32.2 20.9 38.7

83 11.6 7.8 14.6



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



#22

2-Butanone

Concen: 5.172 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW014983.D

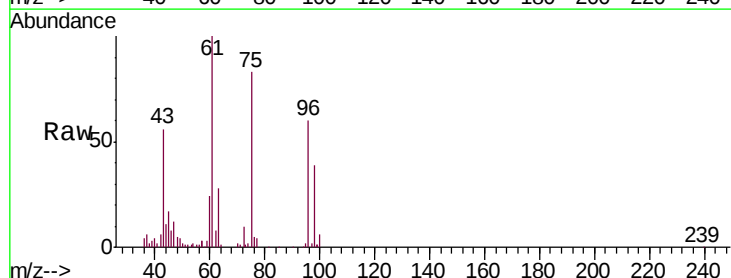
Acq: 13 Feb 2020 16:30

Tgt Ion: 43 Resp: 25601

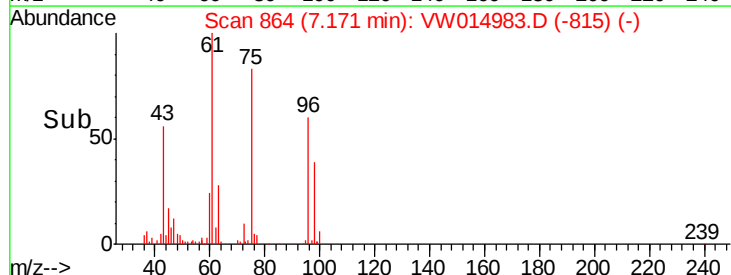
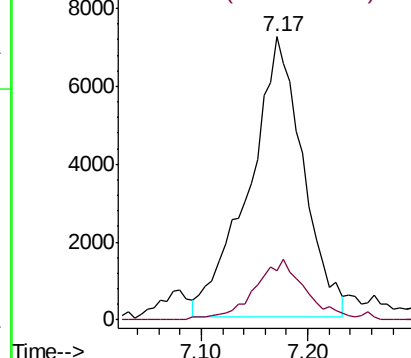
Ion Ratio Lower Upper

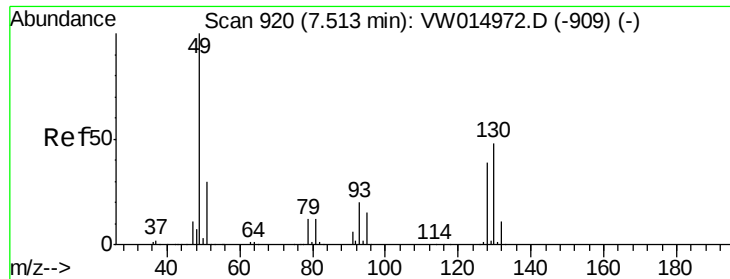
43 100

72 20.3 11.1 33.1



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





#23

Bromochloromethane

Concen: 2.129 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL02

Tgt Ion:128 Resp: 9406

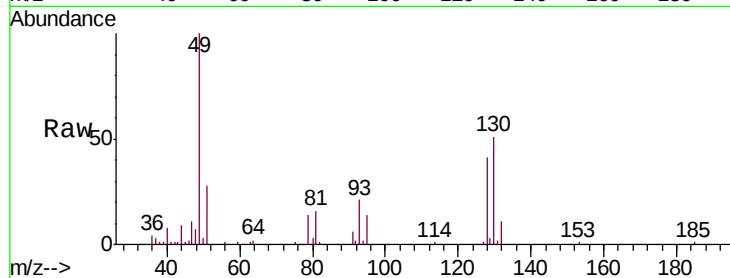
Ion Ratio Lower Upper

128 100

49 228.6 179.0 332.4

130 117.1 85.5 158.7

51 64.1 61.7 92.5

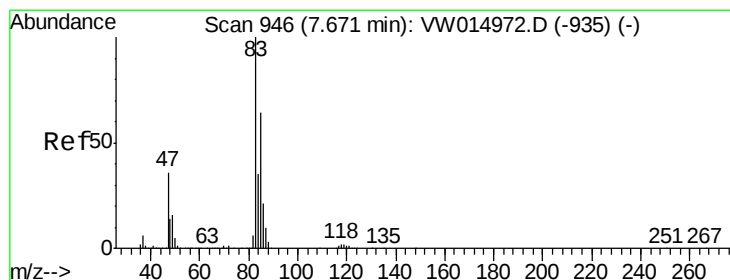
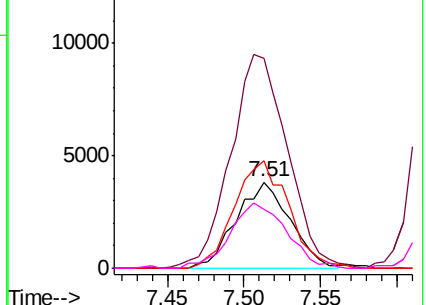
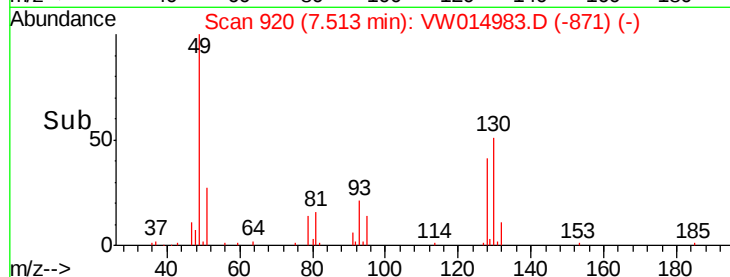


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 2.202 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW014983.D

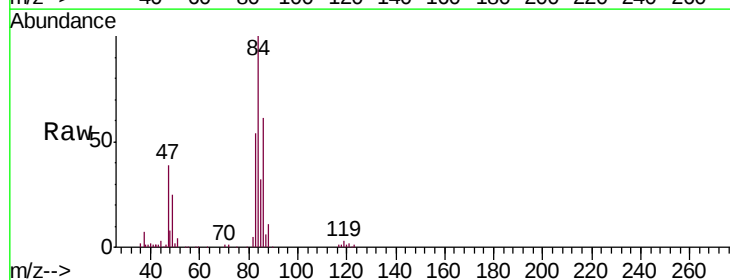
Acq: 13 Feb 2020 16:30

Tgt Ion: 83 Resp: 46318

Ion Ratio Lower Upper

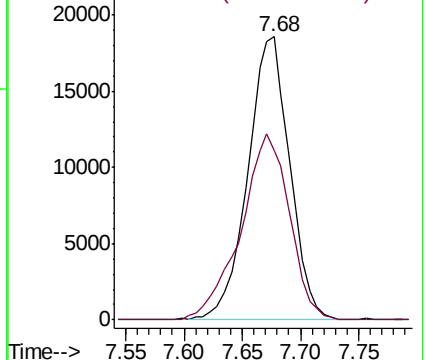
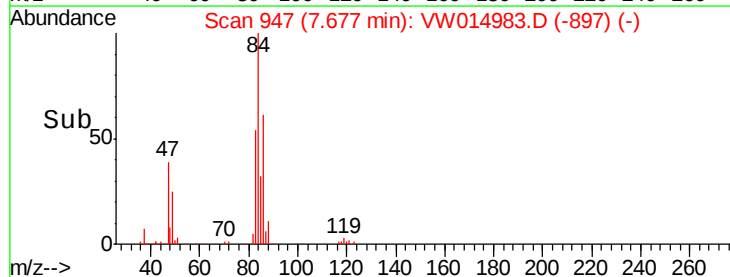
83 100

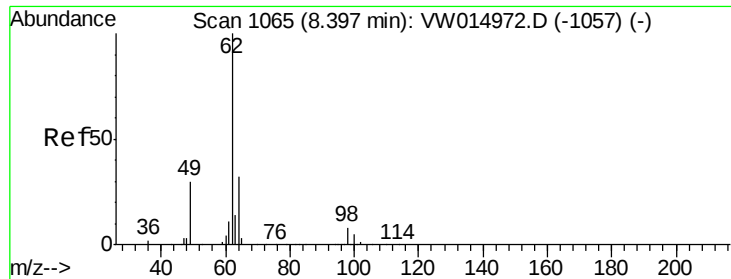
85 59.9 45.1 83.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

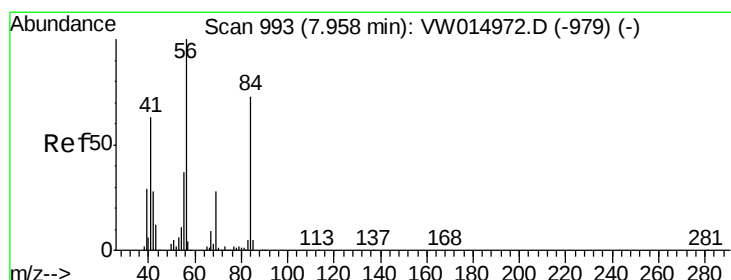
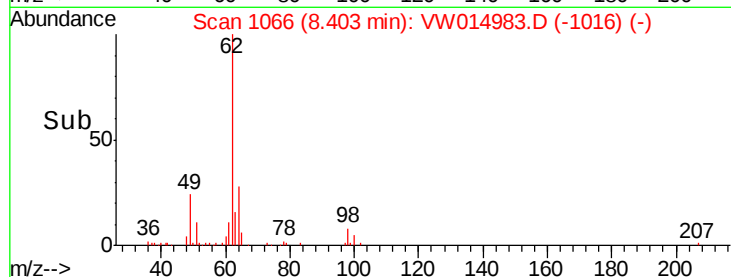
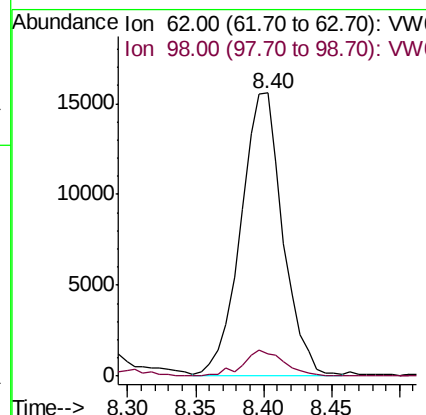
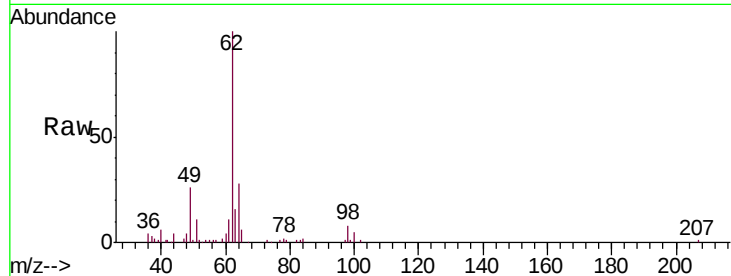




#27
 1,2-Dichloroethane
 Concen: 2.186 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW014983.D
 Acq: 13 Feb 2020 16:30

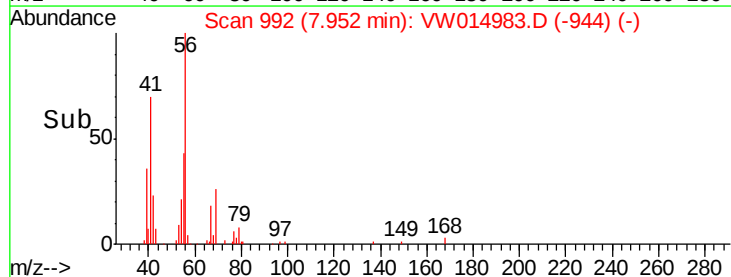
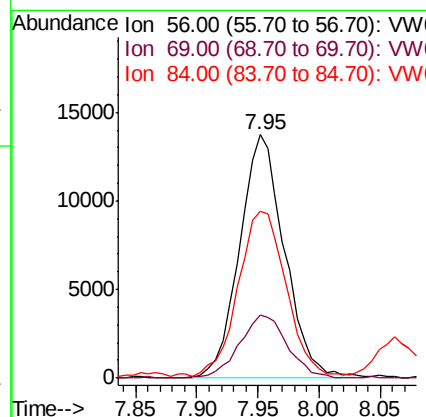
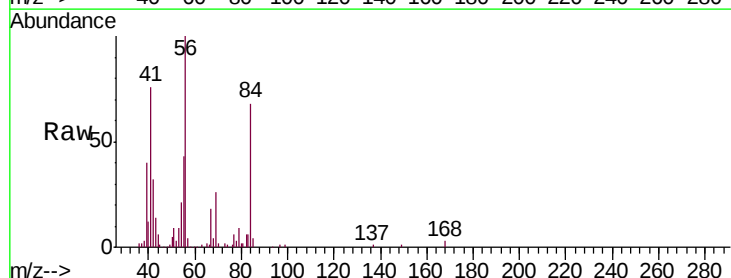
Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

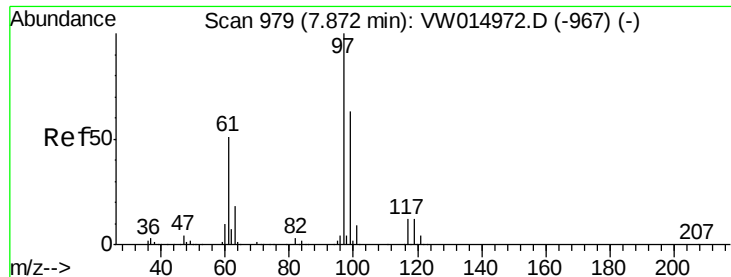
Tgt Ion: 62 Resp: 33792
 Ion Ratio Lower Upper
 62 100
 98 7.7 6.2 9.4



#29
 Cyclohexane
 Concen: 1.645 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VW014983.D
 Acq: 13 Feb 2020 16:30

Tgt Ion: 56 Resp: 34948
 Ion Ratio Lower Upper
 56 100
 69 27.6 22.0 33.0
 84 73.1 57.8 86.6

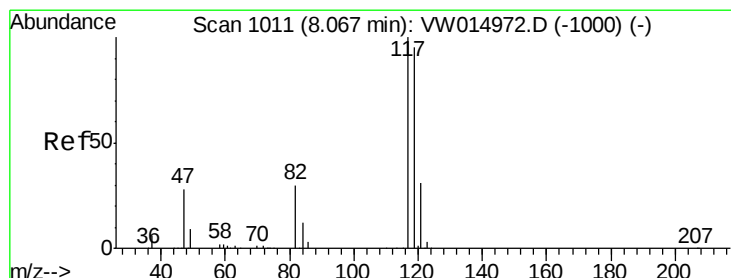
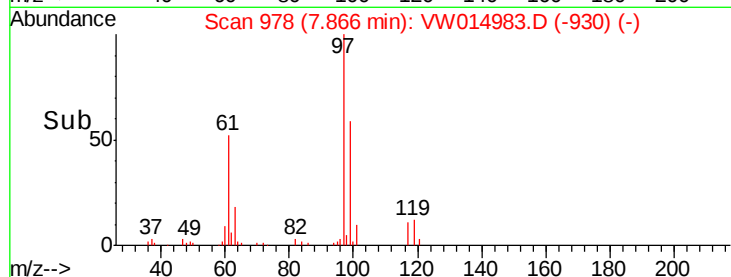
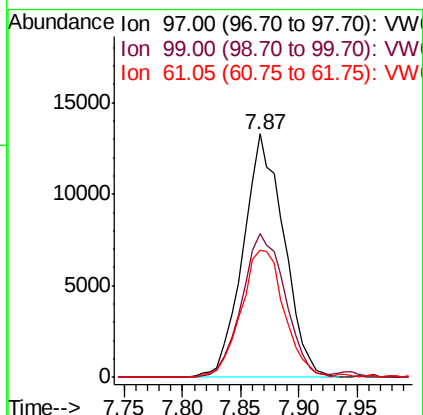
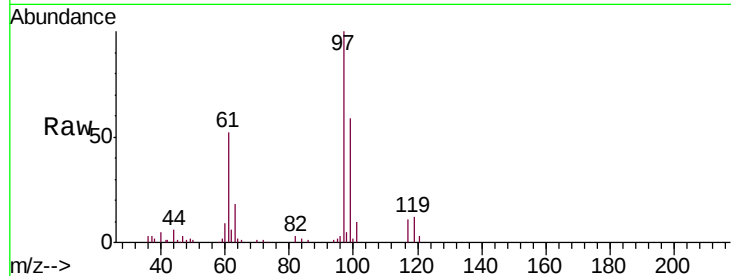




#30
 1,1,1-Trichloroethane
 Concen: 2.045 ug/L
 RT: 7.87 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VW014983.D
 Acq: 13 Feb 2020 16:30

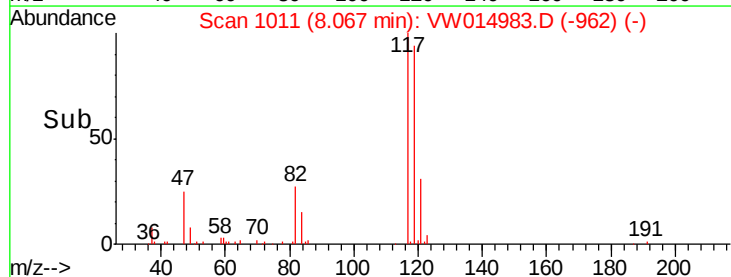
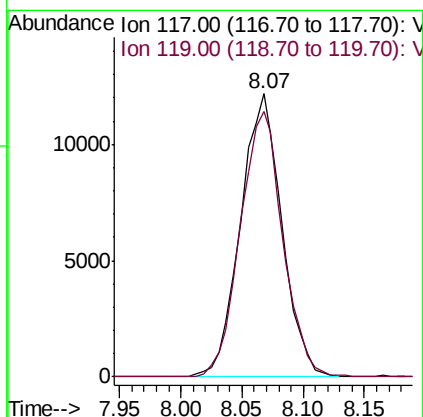
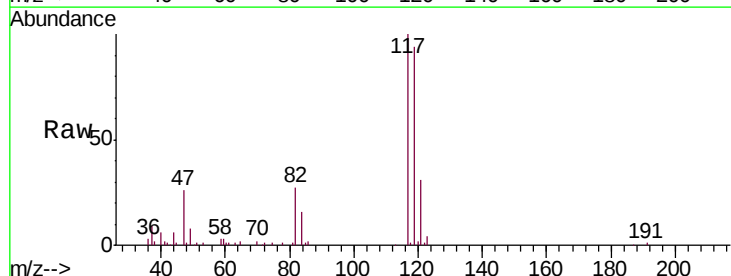
Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

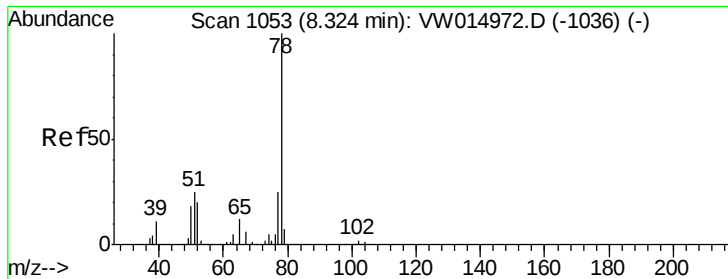
Tgt Ion: 97 Resp: 32414
 Ion Ratio Lower Upper
 97 100
 99 62.4 50.6 75.8
 61 55.1 42.7 64.1



#31
 Carbon tetrachloride
 Concen: 1.997 ug/L
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW014983.D
 Acq: 13 Feb 2020 16:30

Tgt Ion: 117 Resp: 28523
 Ion Ratio Lower Upper
 117 100
 119 96.8 76.6 114.8





#33

Benzene

Concen: 2.270 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

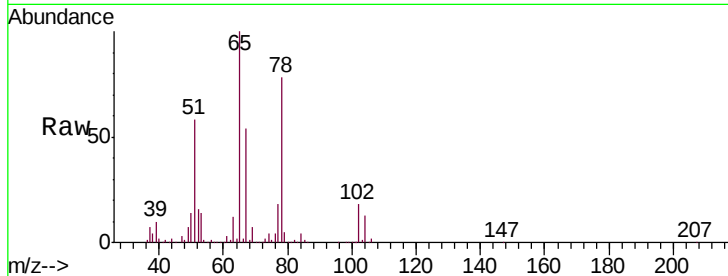
Instrument :

MSVOA_W

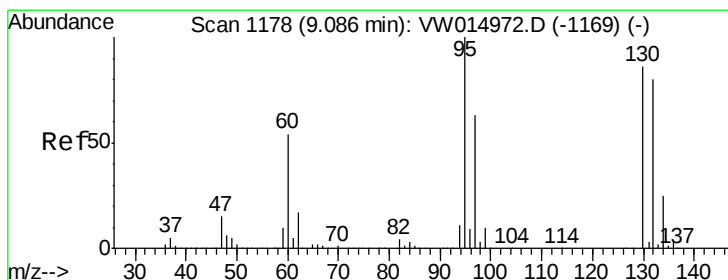
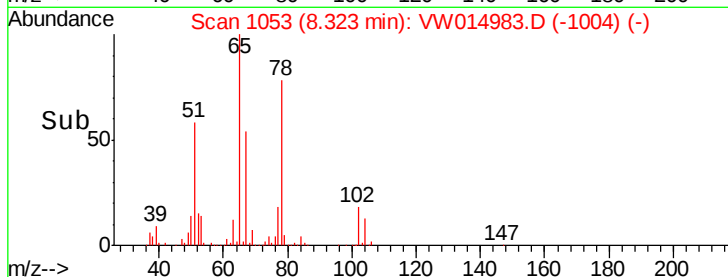
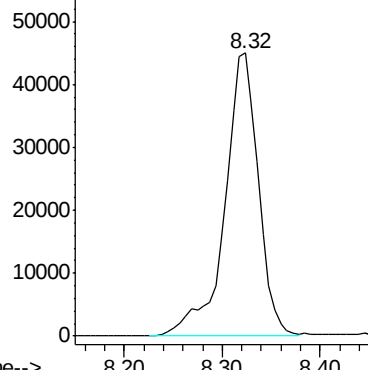
ClientSampleId :

MDL02

Tgt Ion: 78 Resp: 108598



Abundance Ion 78.00 (77.70 to 78.70): VW



#34

Trichloroethene

Concen: 2.084 ug/L

RT: 9.09 min Scan# 1179

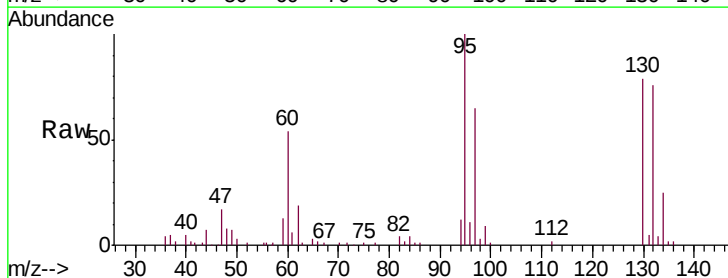
Delta R.T. 0.01 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Tgt Ion: 95 Resp: 23872

Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.2	82.0
132	76.1	56.1	104.3
130	79.3	60.1	111.7

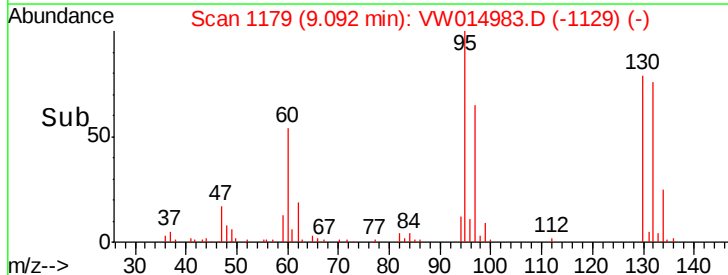
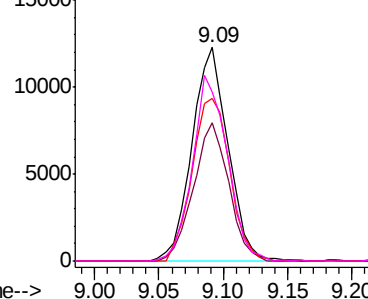


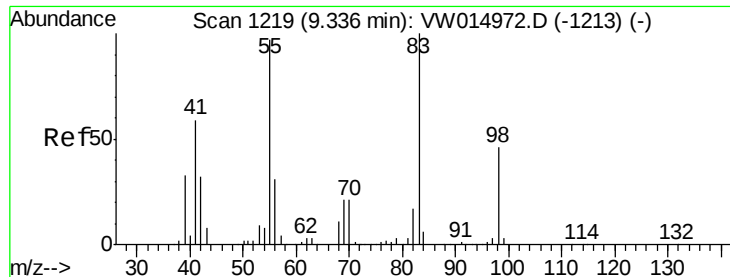
Abundance Ion 95.00 (94.70 to 95.70): VW

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

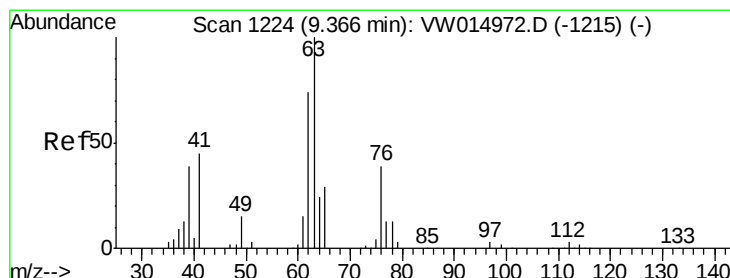
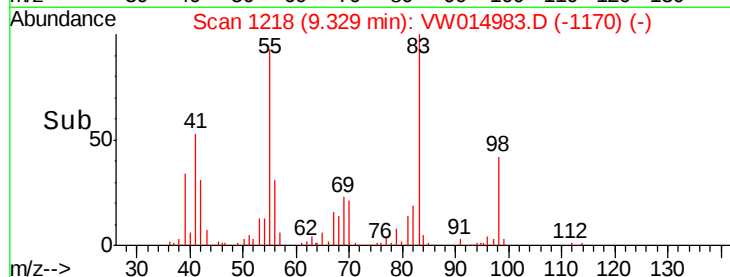
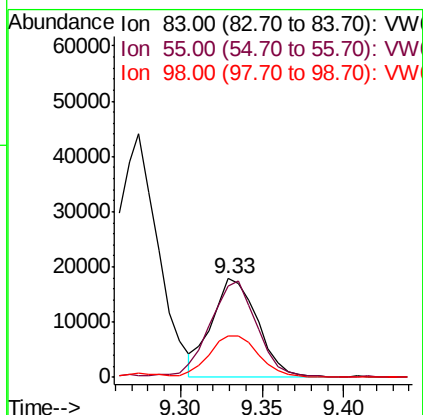
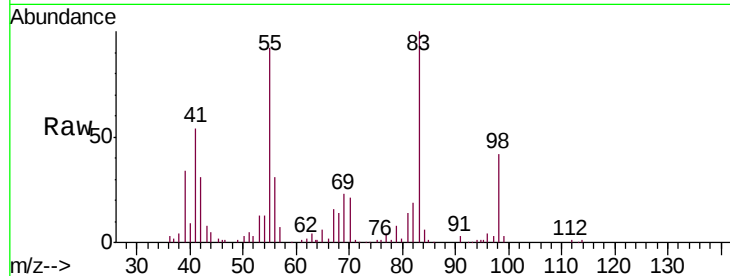




#35
Methylcyclohexane
Concen: 1.778 ug/L
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW014983.D
Acq: 13 Feb 2020 16:30

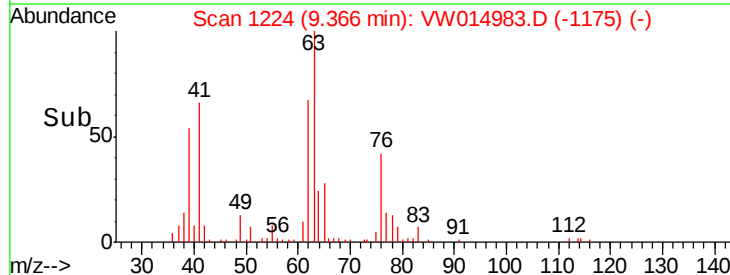
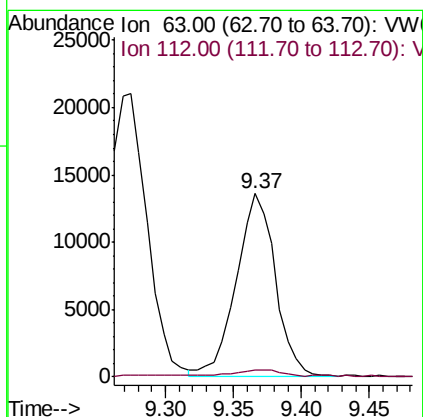
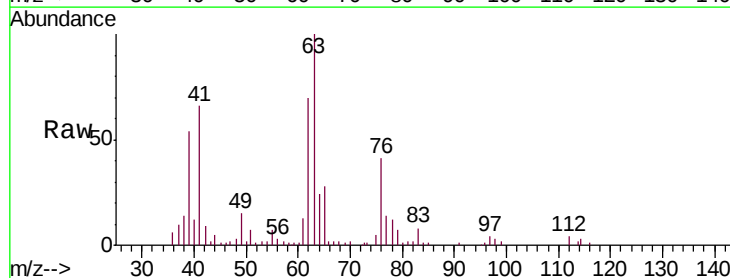
Instrument :
MSVOA_W
ClientSampled :
MDL02

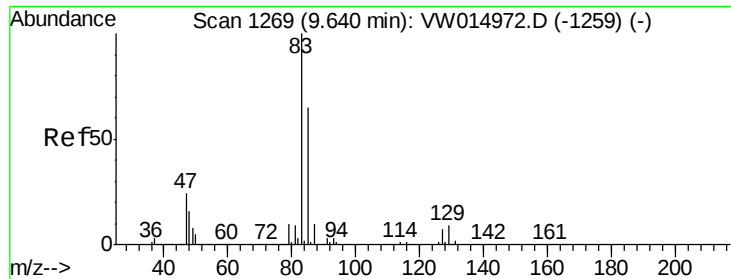
Tgt Ion: 83 Resp: 35138
Ion Ratio Lower Upper
83 100
55 100.3 76.3 114.5
98 44.9 36.4 54.6



#37
1,2-Dichloropropane
Concen: 2.058 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW014983.D
Acq: 13 Feb 2020 16:30

Tgt Ion: 63 Resp: 27499
Ion Ratio Lower Upper
63 100
112 4.6 2.6 4.0#

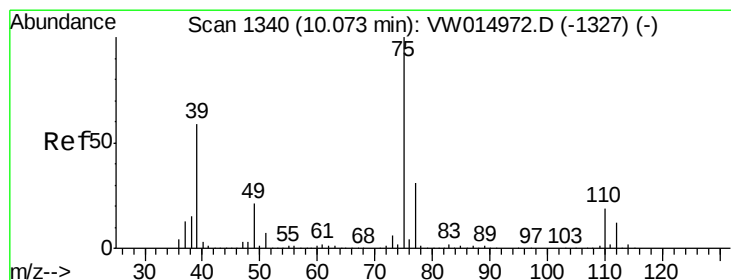
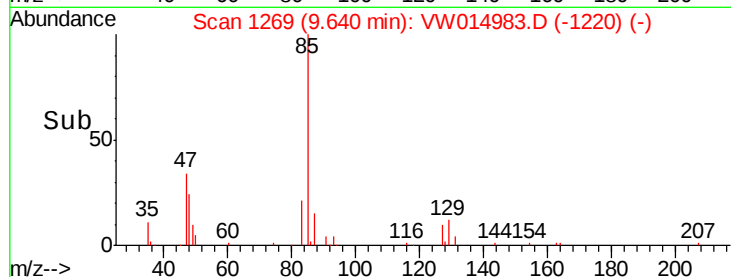
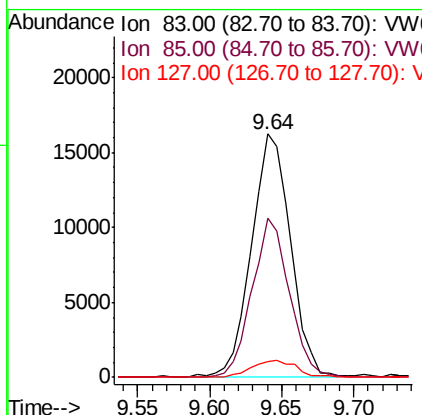
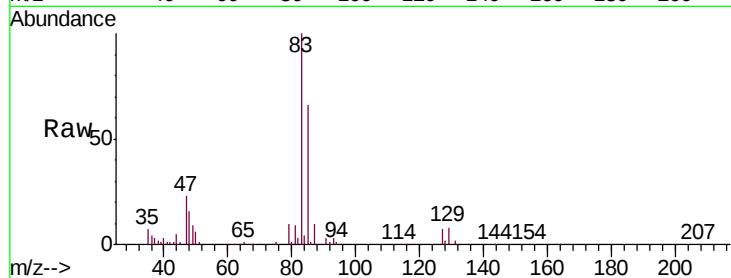




#38
Bromodichloromethane
Concen: 2.020 ug/L
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW014983.D
Acq: 13 Feb 2020 16:30

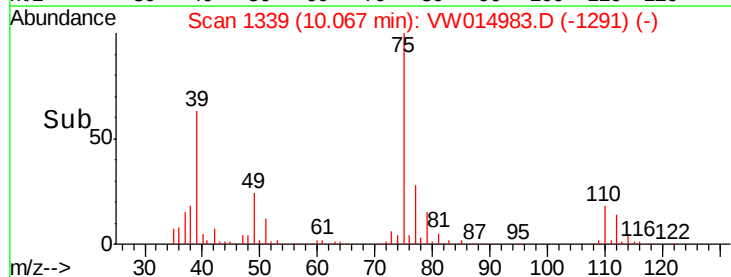
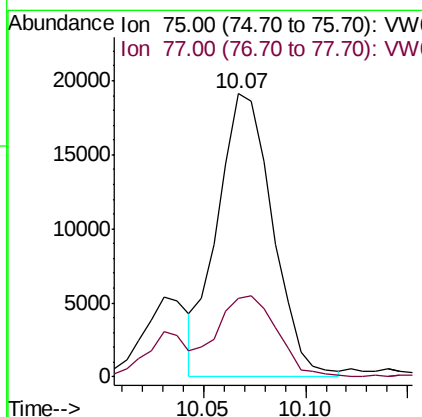
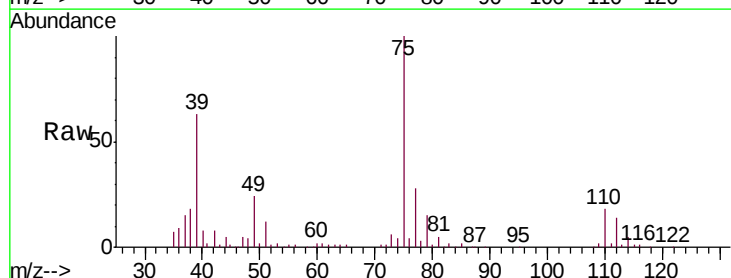
Instrument :
MSVOA_W
ClientSampleId :
MDL02

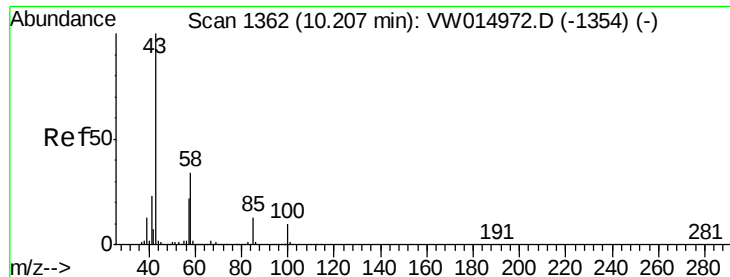
Tgt Ion: 83 Resp: 30389
Ion Ratio Lower Upper
83 100
85 65.6 45.2 84.0
127 6.5 5.5 8.3



#39
cis-1,3-Dichloropropene
Concen: 1.994 ug/L
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW014983.D
Acq: 13 Feb 2020 16:30

Tgt Ion: 75 Resp: 35631
Ion Ratio Lower Upper
75 100
77 27.7 21.6 40.2

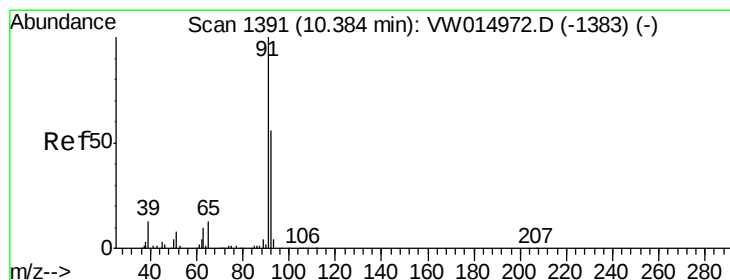
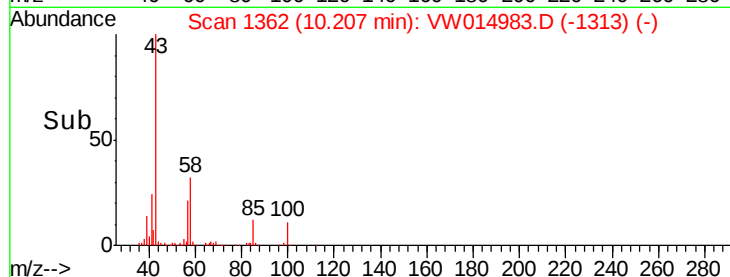
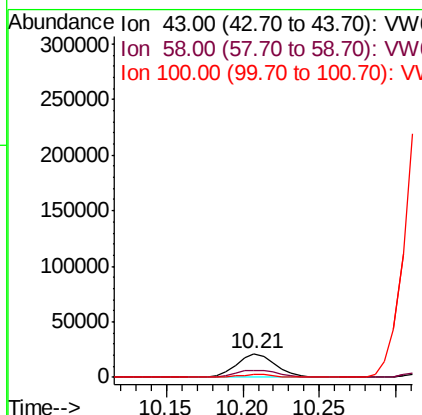
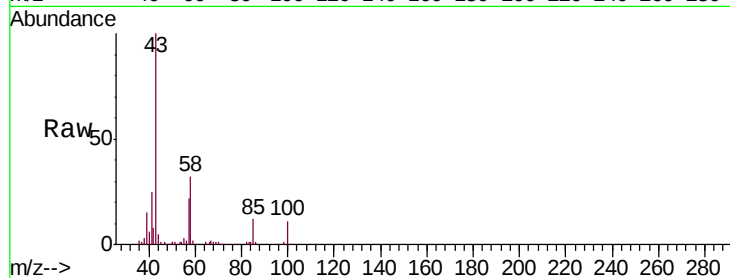




#40
 4-Methyl-2-pentanone
 Concen: 3.958 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014983.D
 Acq: 13 Feb 2020 16:30

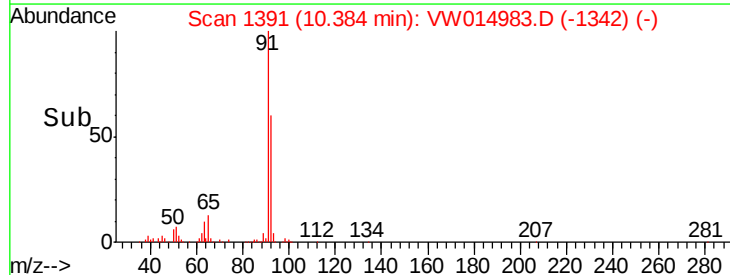
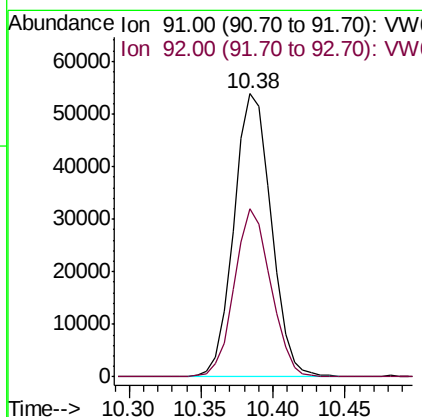
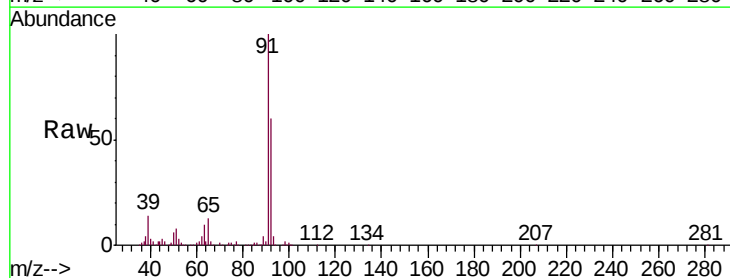
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

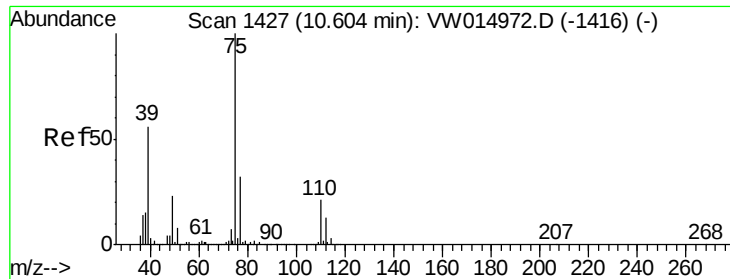
Tgt Ion: 43 Resp: 37643
 Ion Ratio Lower Upper
 43 100
 58 34.6 27.7 41.5
 100 11.1 8.6 13.0



#42
 Toluene
 Concen: 2.106 ug/L
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW014983.D
 Acq: 13 Feb 2020 16:30

Tgt Ion: 91 Resp: 97325
 Ion Ratio Lower Upper
 91 100
 92 59.5 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 2.336 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

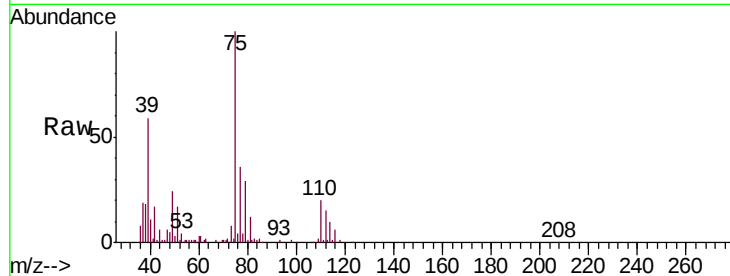
MDL02

Tgt Ion: 75 Resp: 34640

Ion Ratio Lower Upper

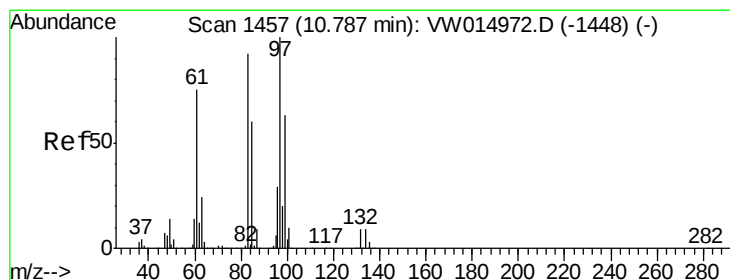
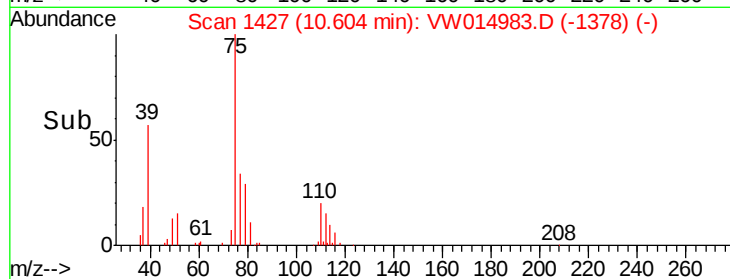
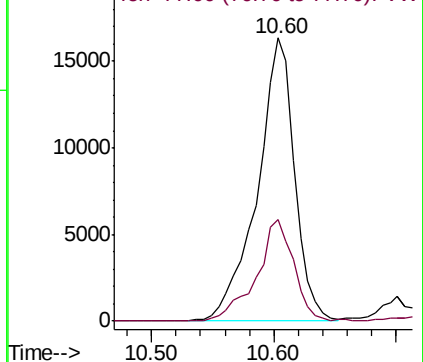
75 100

77 35.8 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#45

1,1,2-Trichloroethane

Concen: 2.067 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Tgt Ion: 97 Resp: 16754

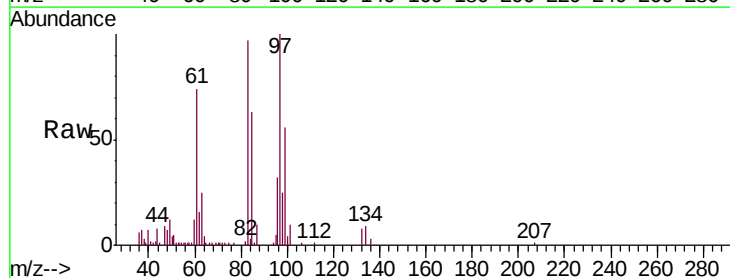
Ion Ratio Lower Upper

97 100

99 56.0 44.2 82.0

83 97.2 64.1 119.1

85 62.6 42.1 78.1

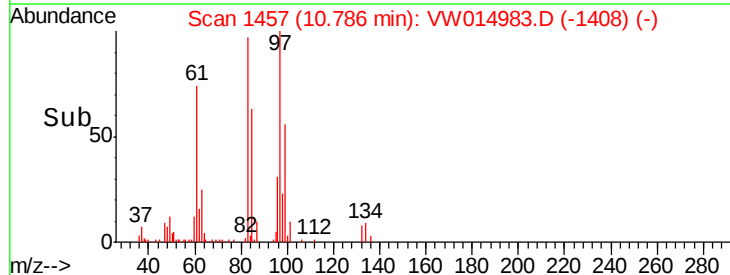
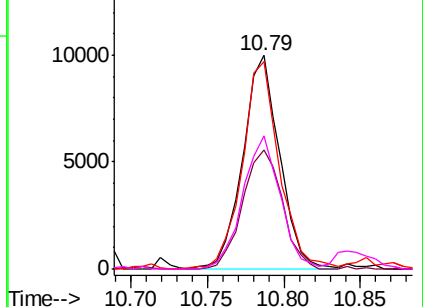


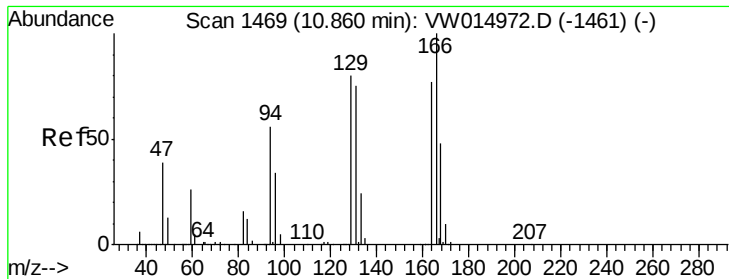
Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#46

Tetrachloroethene

Concen: 2.090 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

MDL02

Tgt Ion:164 Resp: 15548

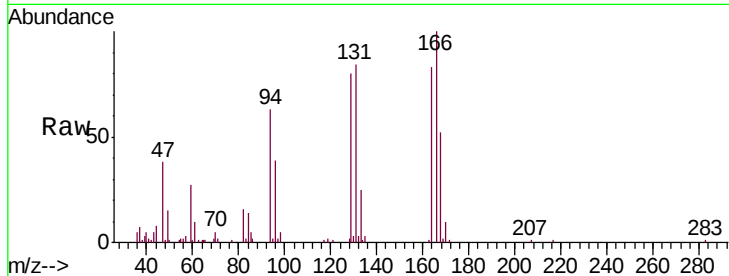
Ion Ratio Lower Upper

164 100

129 96.6 72.2 134.2

131 101.7 68.1 126.5

166 120.9 90.6 168.2

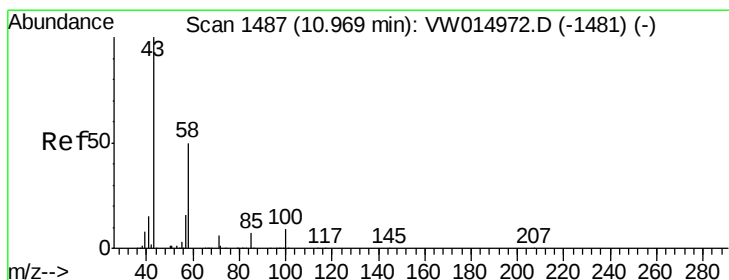
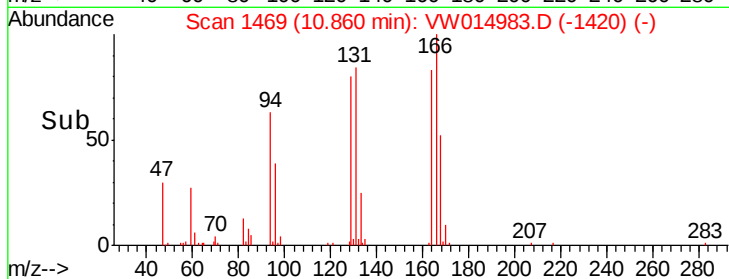
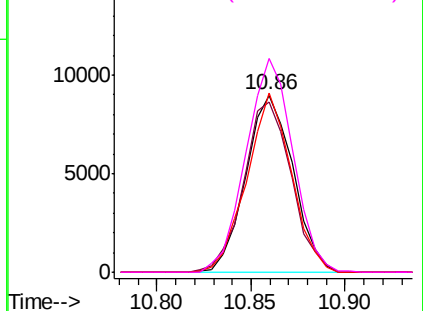


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 4.094 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Tgt Ion: 43 Resp: 28373

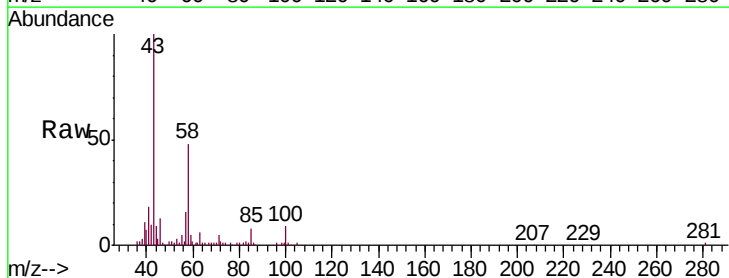
Ion Ratio Lower Upper

43 100

58 47.8 39.2 58.8

57 19.2 13.1 19.7

100 8.7 7.0 10.4

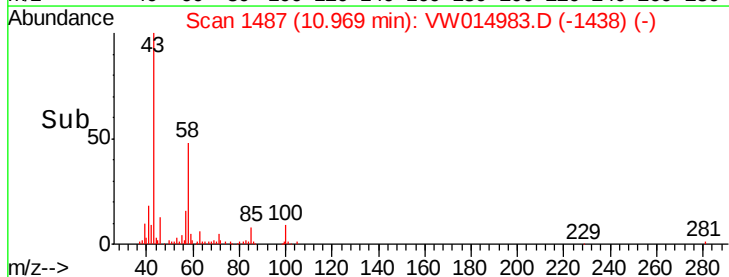
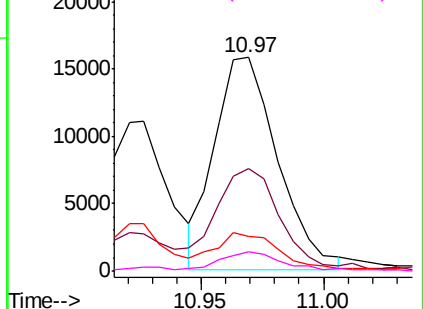


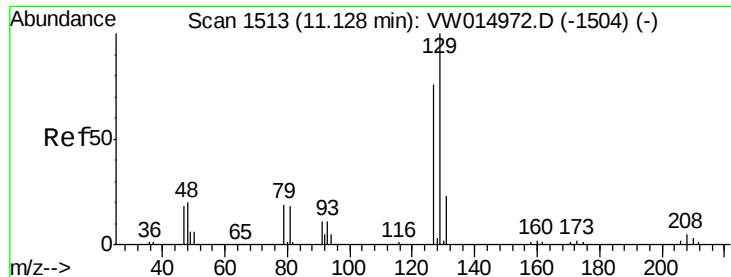
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#49

Dibromochloromethane

Concen: 2.025 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

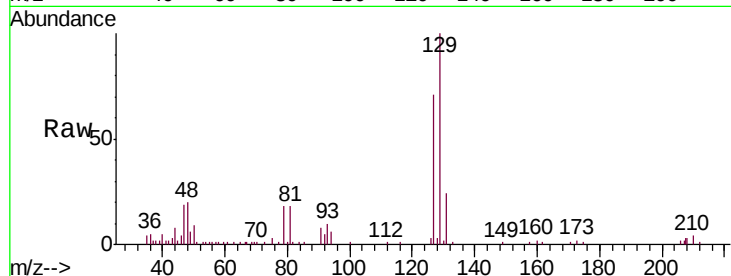
MDL02

Tgt Ion:129 Resp: 17099

Ion Ratio Lower Upper

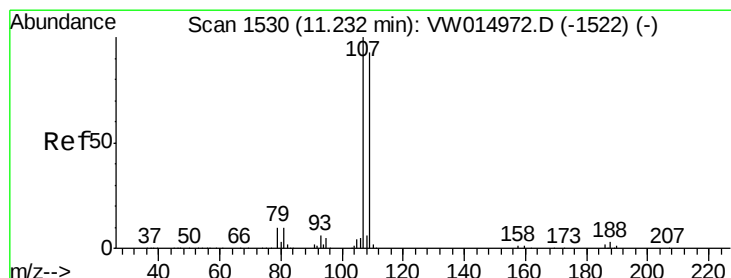
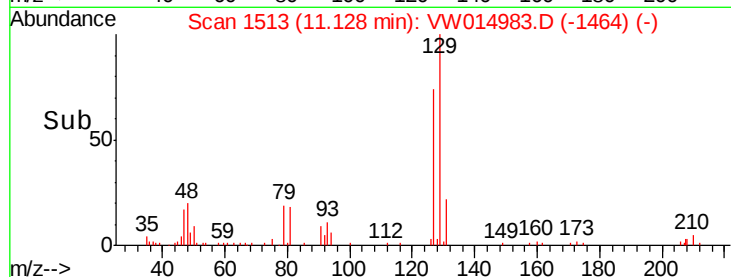
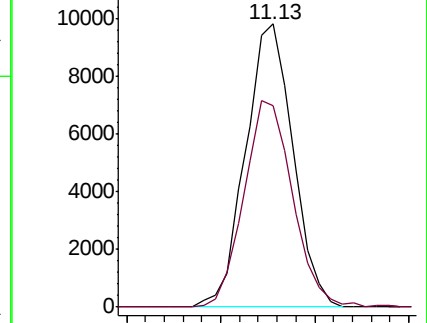
129 100

127 71.2 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.072 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

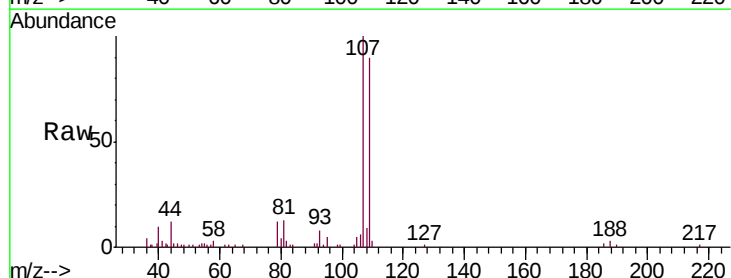
Tgt Ion:107 Resp: 15138

Ion Ratio Lower Upper

107 100

109 90.0 65.1 120.9

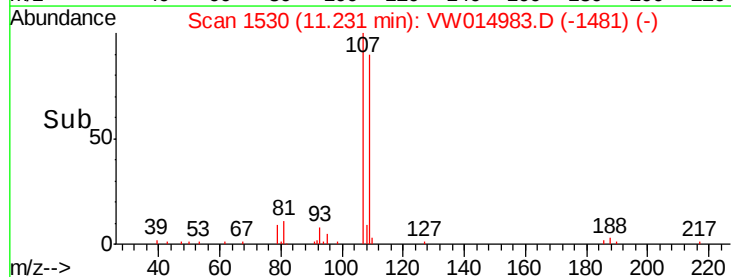
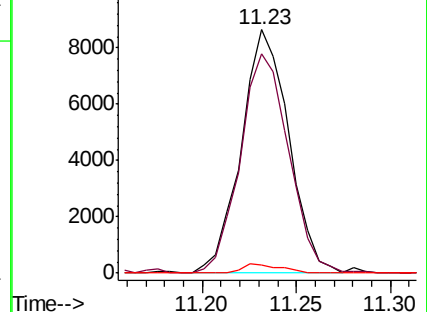
188 3.3 2.4 3.6

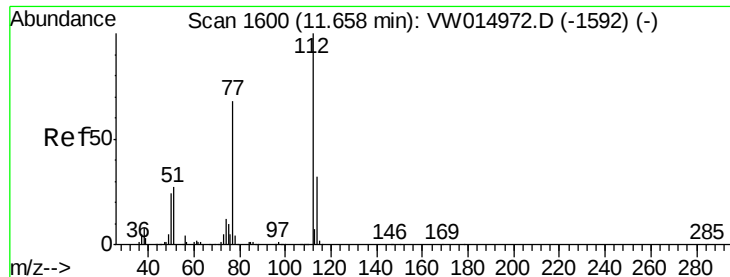


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.020 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL02

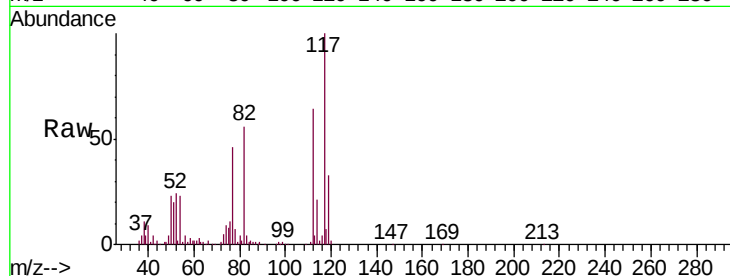
Tgt Ion: 112 Resp: 55080

Ion Ratio Lower Upper

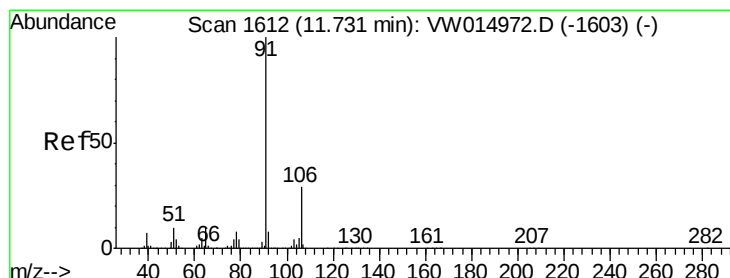
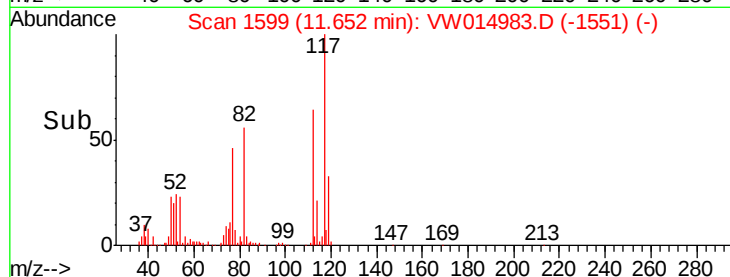
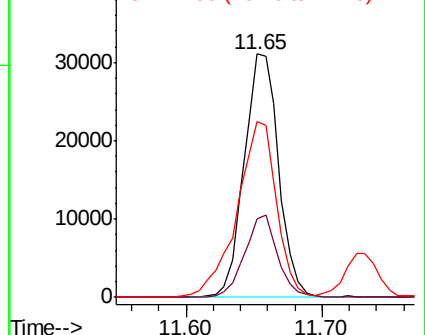
112 100

114 32.4 22.6 42.0

77 72.2 54.6 82.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 1.839 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014983.D

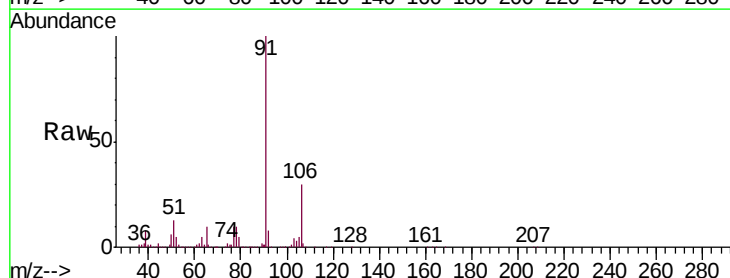
Acq: 13 Feb 2020 16:30

Tgt Ion: 91 Resp: 92604

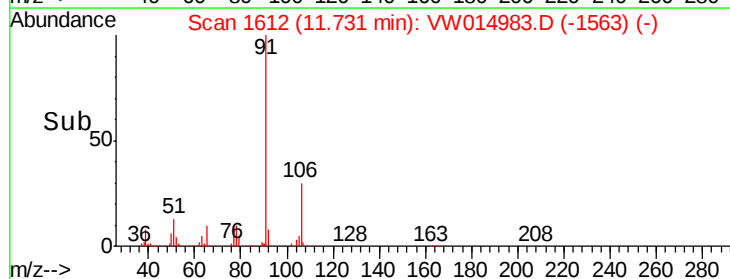
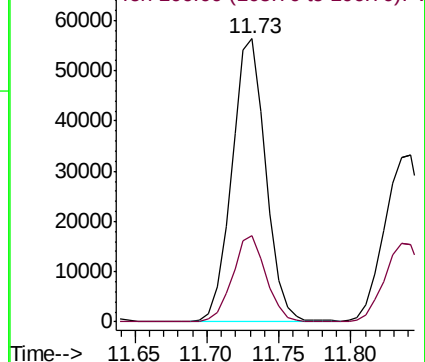
Ion Ratio Lower Upper

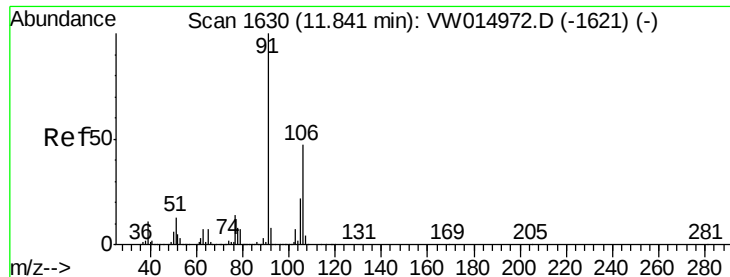
91 100

106 30.3 20.2 37.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

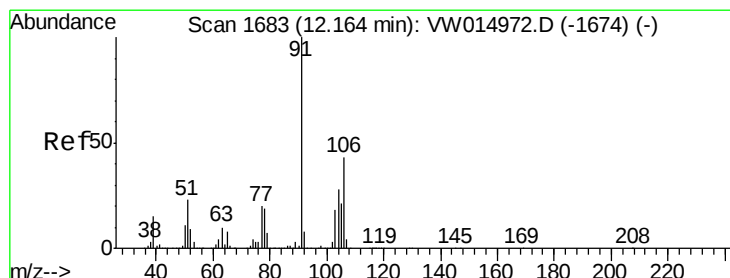
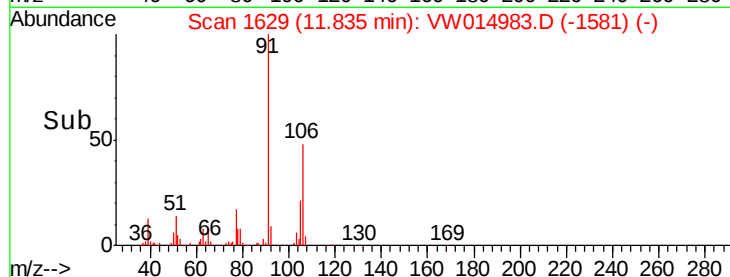
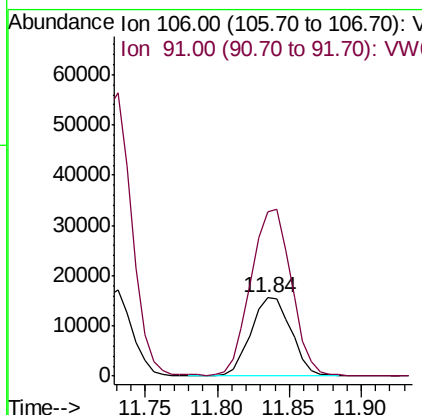
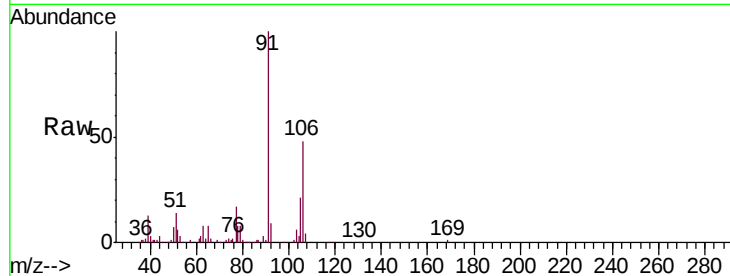




#53
m,p-Xylene
Concen: 1.716 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW014983.D
Acq: 13 Feb 2020 16:30

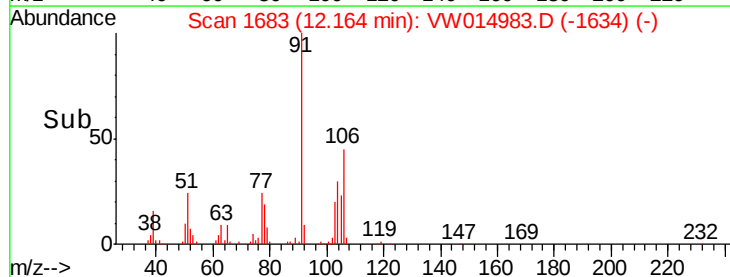
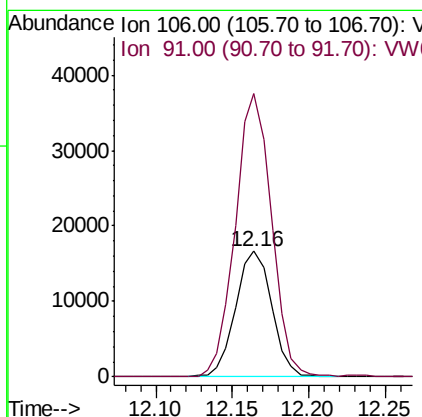
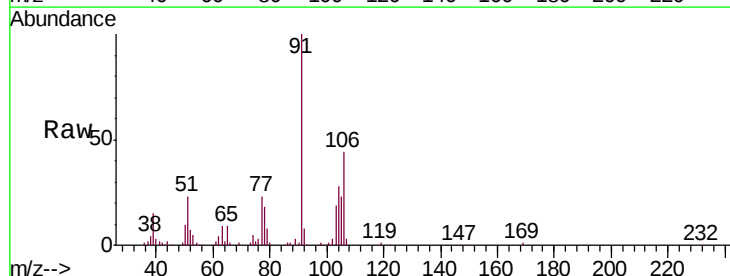
Instrument :
MSVOA_W
ClientSampleId :
MDL02

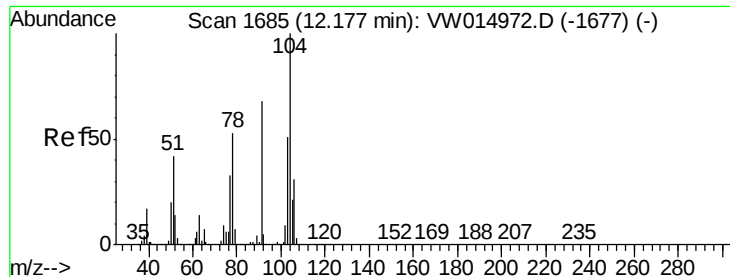
Tgt Ion:106 Resp: 30306
Ion Ratio Lower Upper
106 100
91 209.2 149.2 277.2



#54
o-Xylene
Concen: 1.654 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014983.D
Acq: 13 Feb 2020 16:30

Tgt Ion:106 Resp: 27432
Ion Ratio Lower Upper
106 100
91 225.3 163.7 304.1





#55

Styrene

Concen: 1.567 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

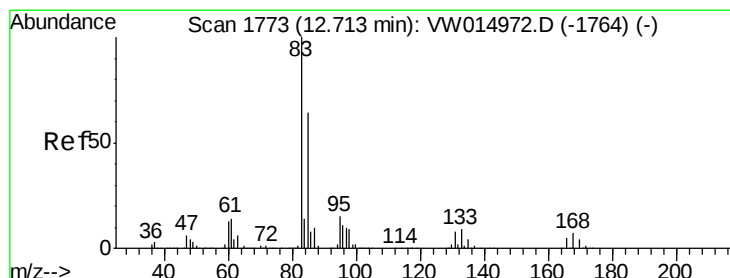
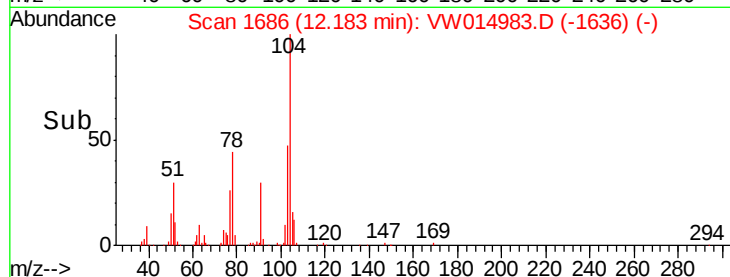
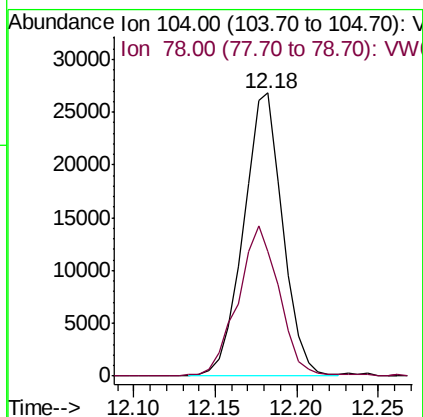
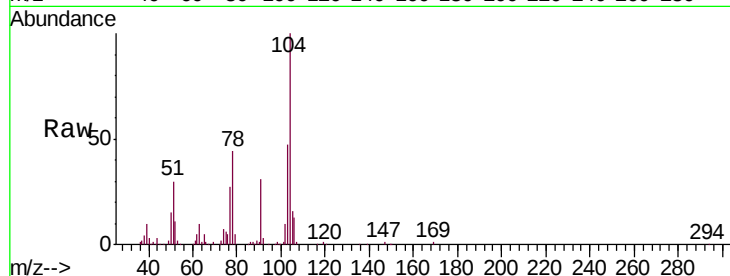
MDL02

Tgt Ion: 104 Resp: 44800

Ion Ratio Lower Upper

104 100

78 44.0 36.8 68.4



#57

1,1,2,2-Tetrachloroethane

Concen: 2.271 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

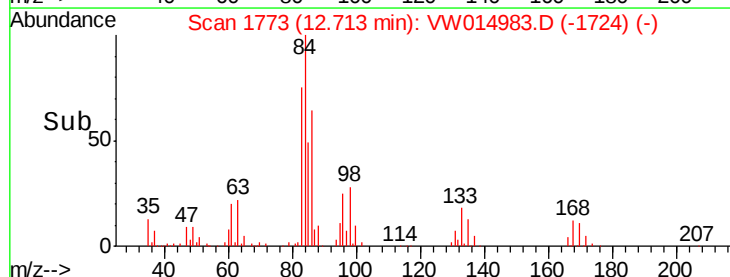
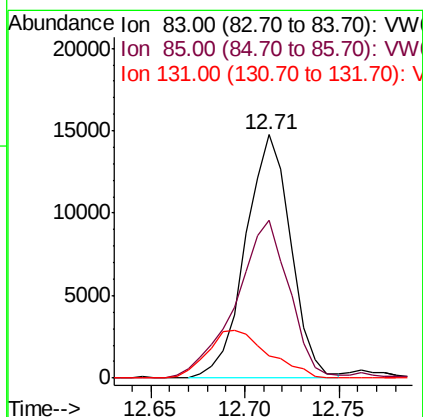
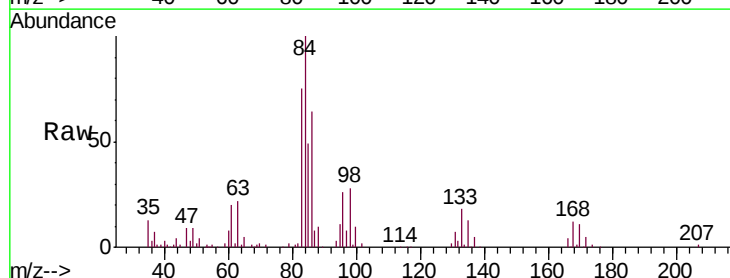
Tgt Ion: 83 Resp: 24621

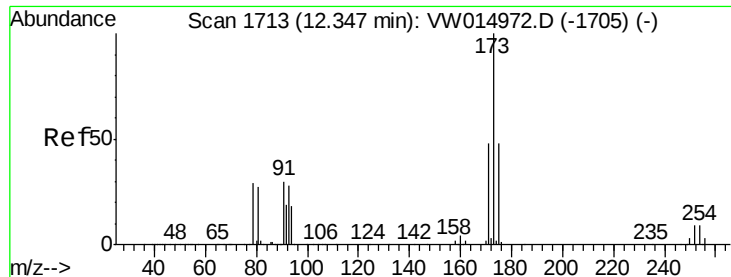
Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.5

131 9.2 6.2 9.2





#59

Bromoform

Concen: 2.118 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL02

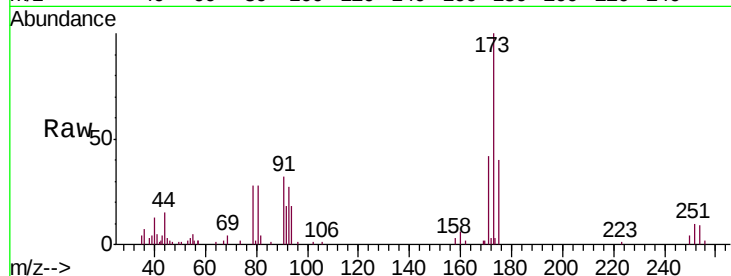
Tgt Ion:173 Resp: 8554

Ion Ratio Lower Upper

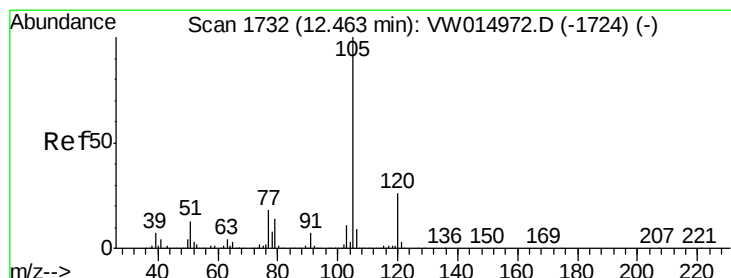
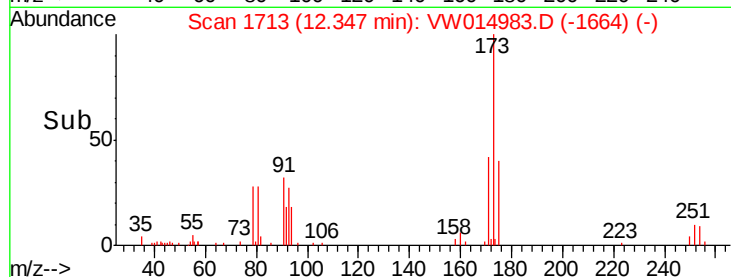
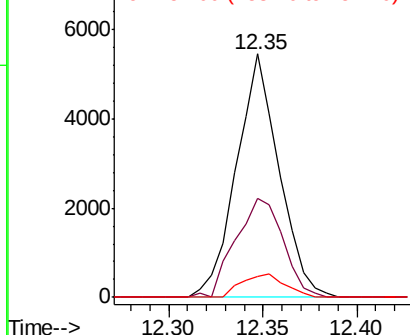
173 100

175 45.0 39.0 58.4

254 9.7 7.1 10.7



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 1.718 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

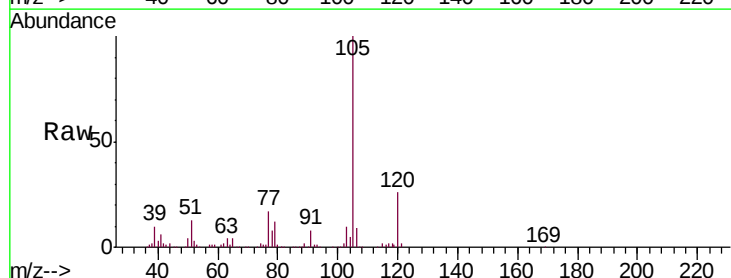
Tgt Ion:105 Resp: 71047

Ion Ratio Lower Upper

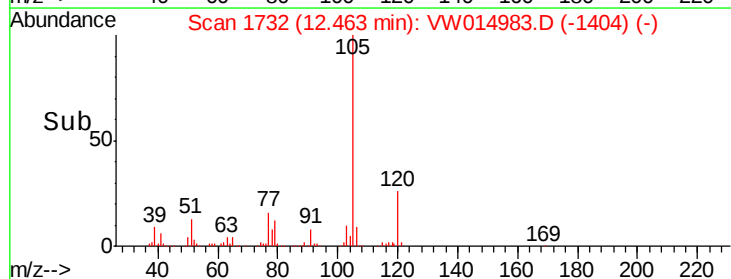
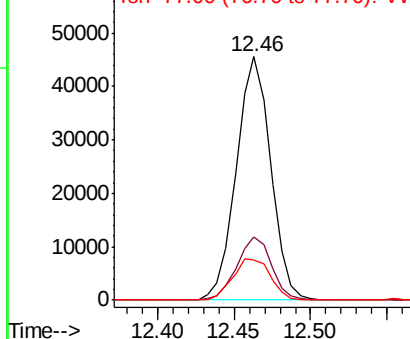
105 100

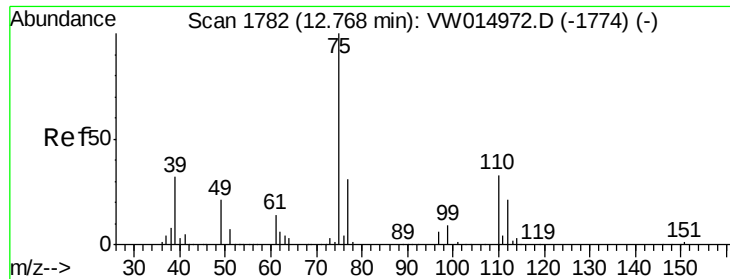
120 26.1 20.1 30.1

77 19.0 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V





#61

1,2,3-Trichloropropane

Concen: 2.253 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampled :

MDL02

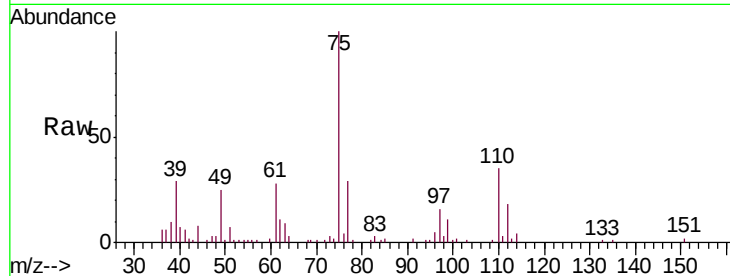
Tgt Ion: 75 Resp: 17441

Ion Ratio Lower Upper

75 100

77 30.2 25.8 38.6

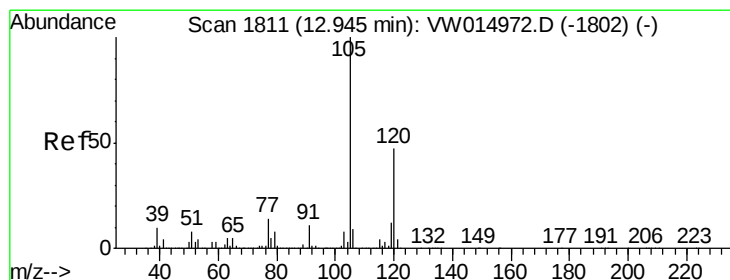
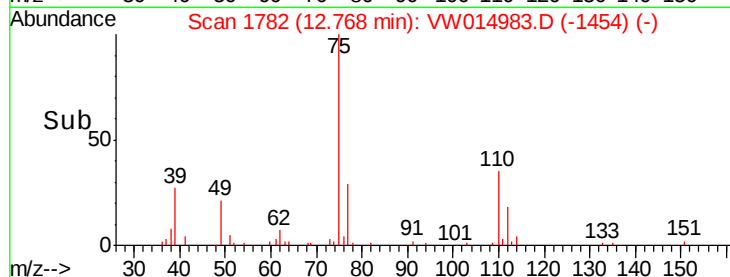
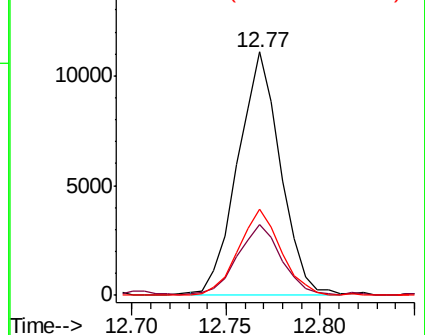
110 34.9 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VW014983.D (-1454) (-)

Ion 77.00 (76.70 to 77.70): VW014983.D (-1454) (-)

Ion 110.00 (109.70 to 110.70): VW014983.D (-1454) (-)



#62

1,3,5-Trimethylbenzene

Concen: 1.648 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW014983.D

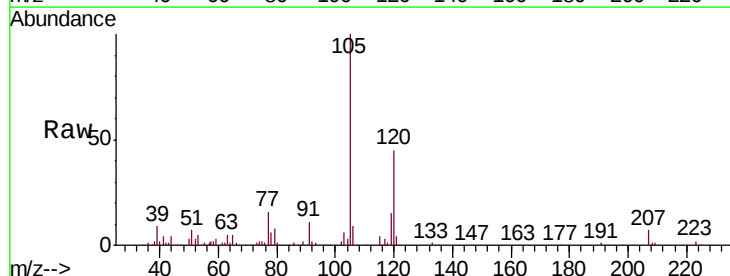
Acq: 13 Feb 2020 16:30

Tgt Ion: 105 Resp: 54340

Ion Ratio Lower Upper

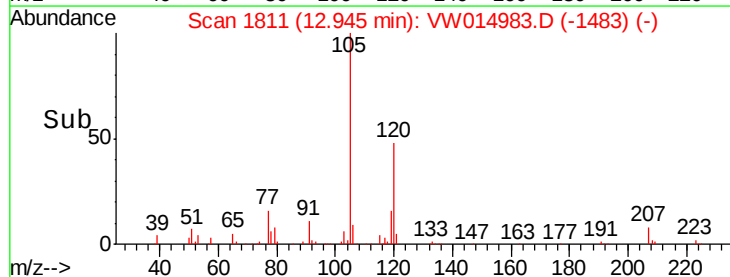
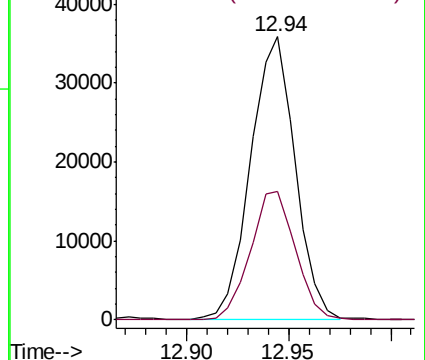
105 100

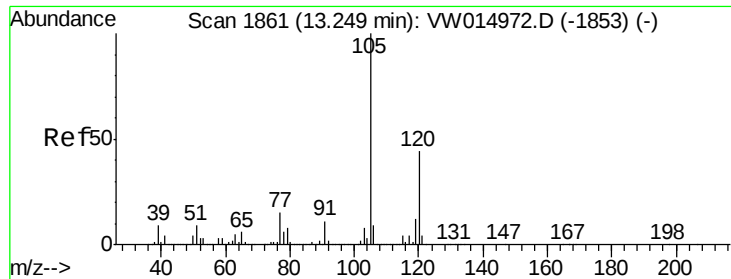
120 45.9 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): VW014983.D (-1483) (-)

Ion 120.00 (119.70 to 120.70): VW014983.D (-1483) (-)

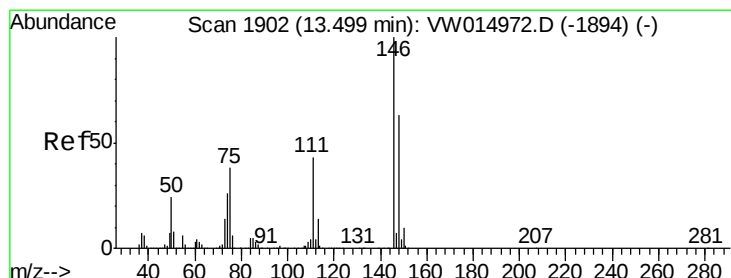
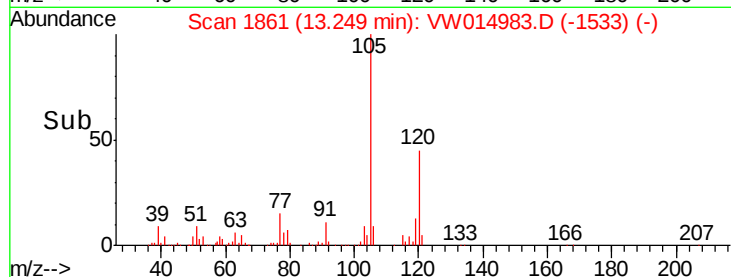
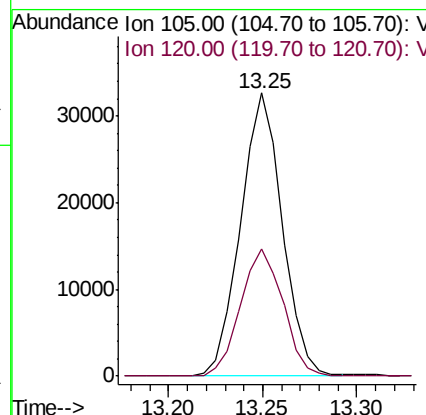
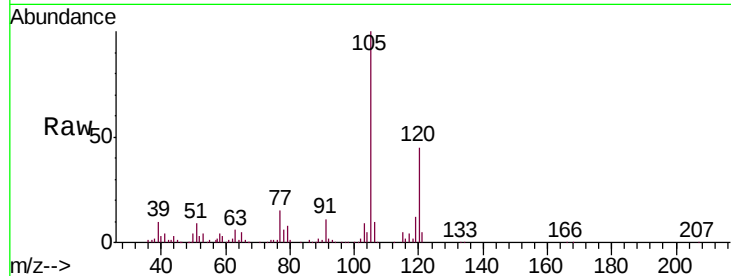




#63
 1,2,4-Trimethylbenzene
 Concen: 1.551 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014983.D
 Acq: 13 Feb 2020 16:30

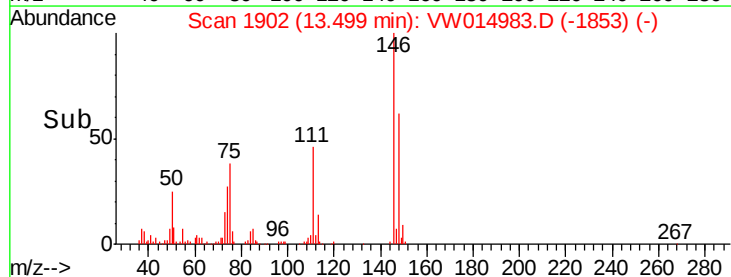
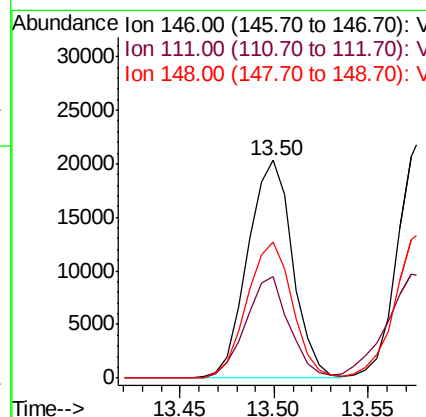
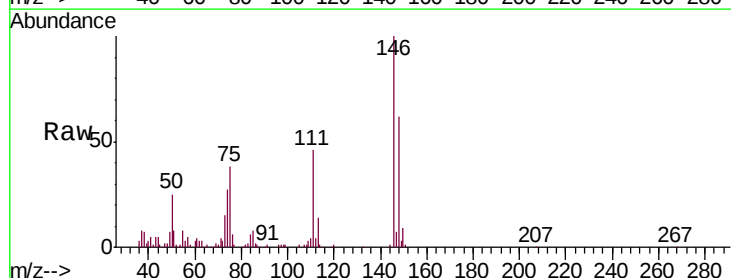
Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

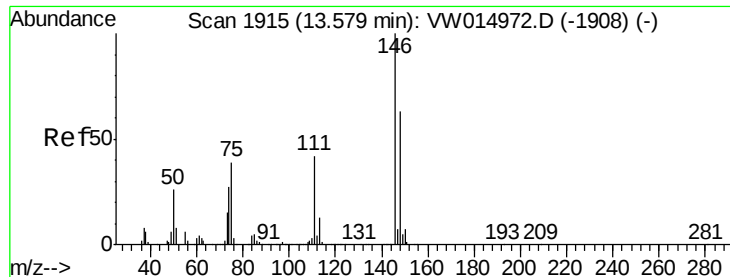
Tgt Ion:105 Resp: 50038
 Ion Ratio Lower Upper
 105 100
 120 45.9 35.0 52.4



#64
 1,3-Dichlorobenzene
 Concen: 1.967 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014983.D
 Acq: 13 Feb 2020 16:30

Tgt Ion:146 Resp: 33526
 Ion Ratio Lower Upper
 146 100
 111 46.4 30.2 56.0
 148 62.4 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 2.033 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL02

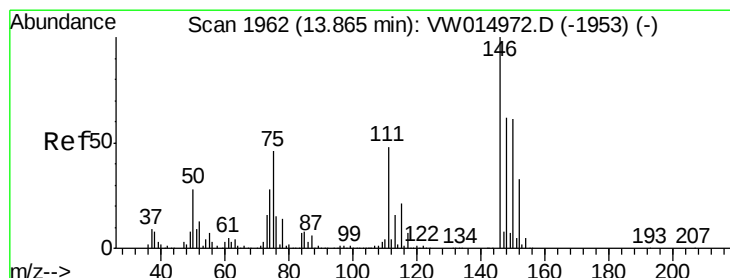
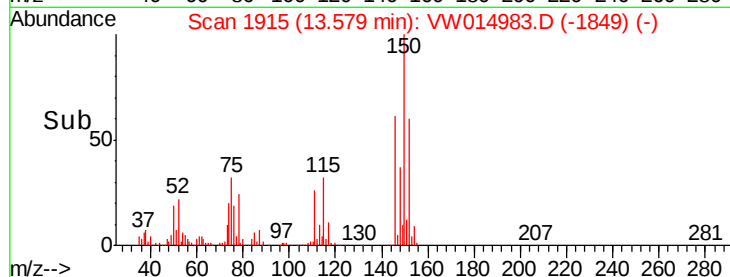
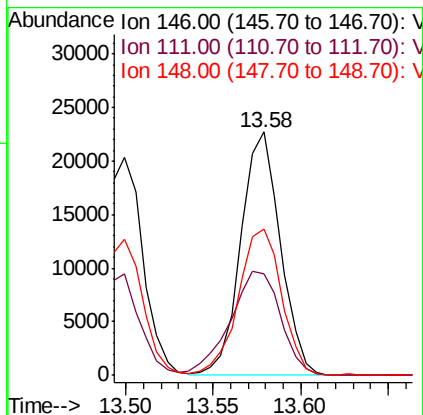
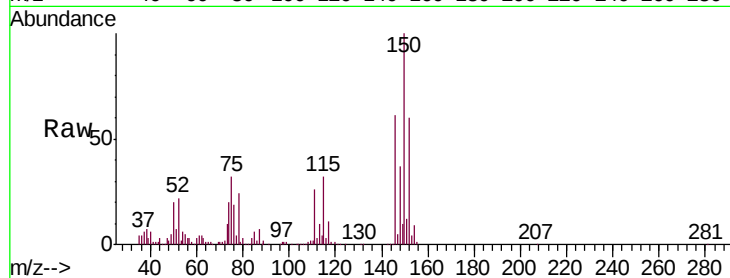
Tgt Ion:146 Resp: 35720

Ion Ratio Lower Upper

146 100

111 41.6 29.5 54.9

148 60.1 43.8 81.3



#67

1,2-Dichlorobenzene

Concen: 2.121 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW014983.D

Acq: 13 Feb 2020 16:30

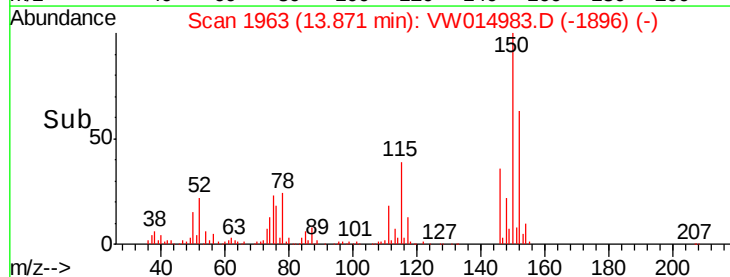
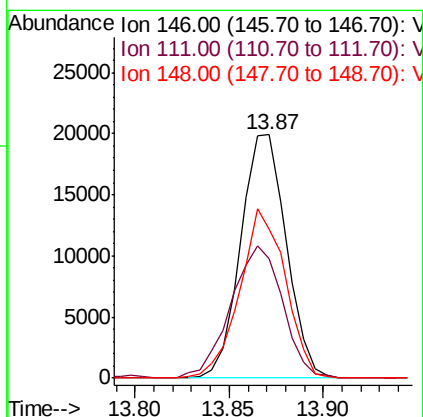
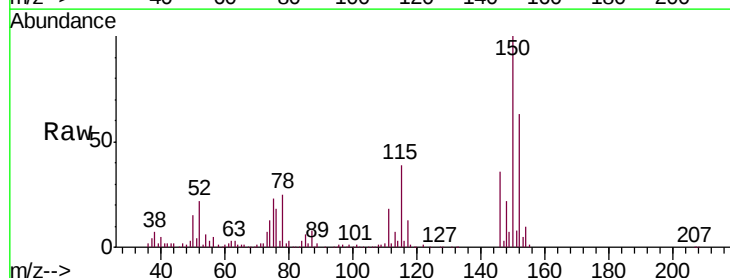
Tgt Ion:146 Resp: 33456

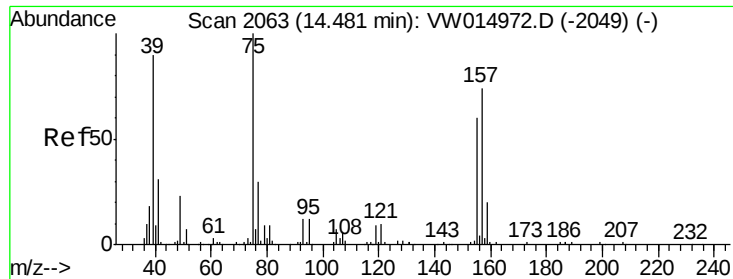
Ion Ratio Lower Upper

146 100

111 49.0 38.0 57.0

148 61.3 49.5 74.3

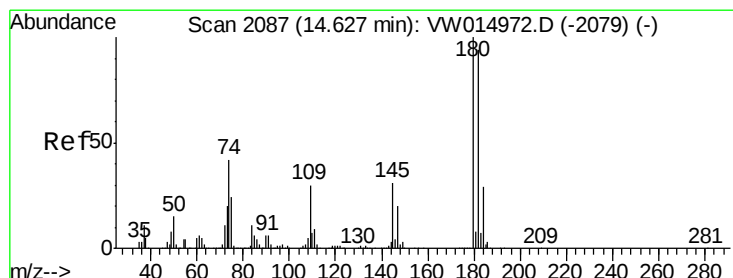
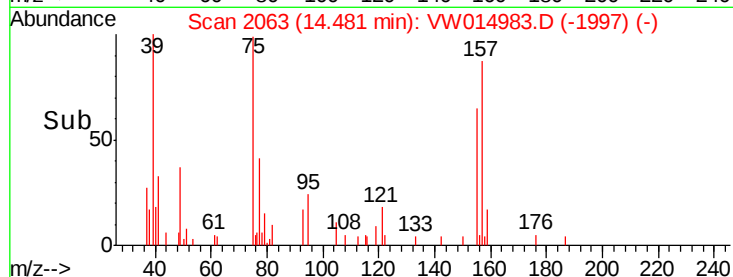
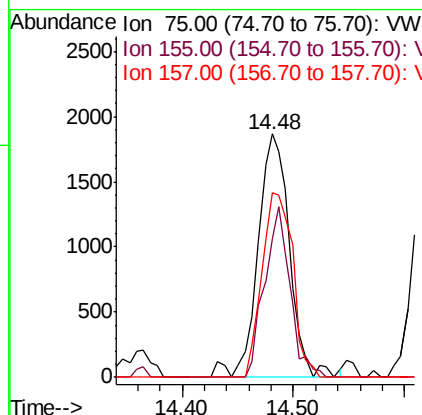
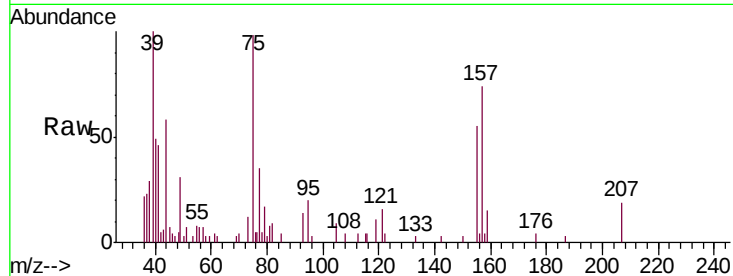




#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.280 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014983.D
 Acq: 13 Feb 2020 16:30

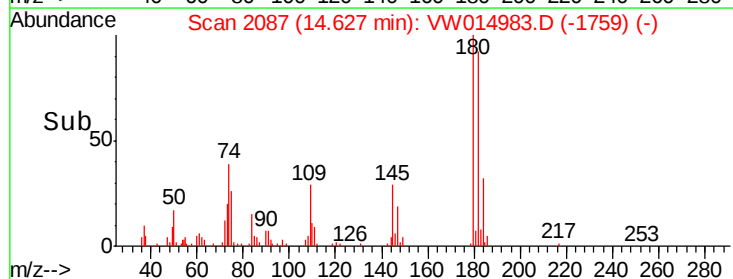
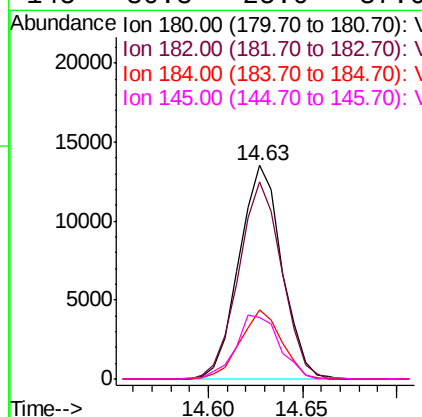
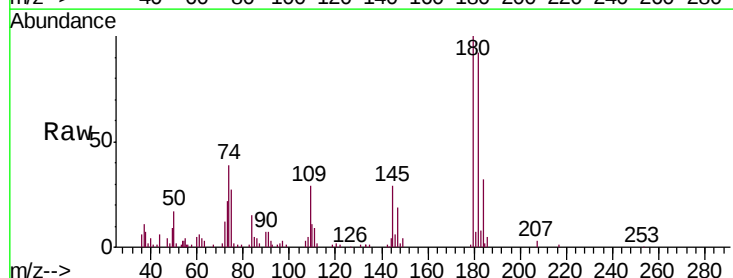
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

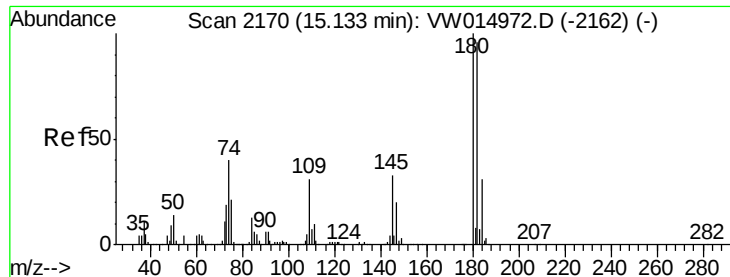
Tgt Ion: 75 Resp: 3690
 Ion Ratio Lower Upper
 75 100
 155 56.7 48.0 72.0
 157 75.6 59.4 89.0



#69
 1,3,5-Trichlorobenzene
 Concen: 1.866 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014983.D
 Acq: 13 Feb 2020 16:30

Tgt Ion: 180 Resp: 21314
 Ion Ratio Lower Upper
 180 100
 182 92.8 76.5 114.7
 184 31.4 24.2 36.2
 145 30.8 25.0 37.6

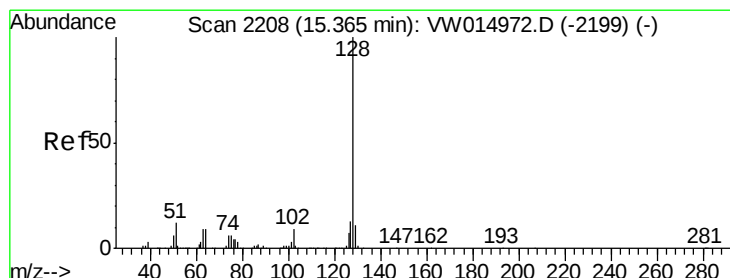
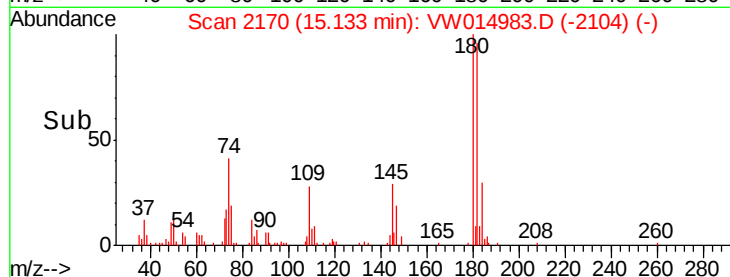
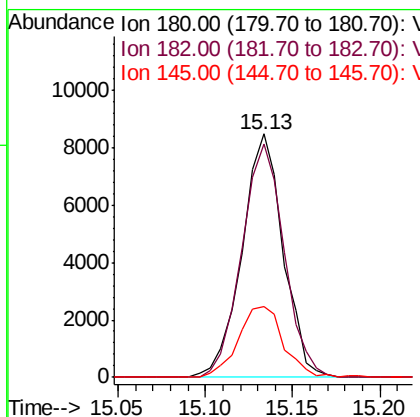
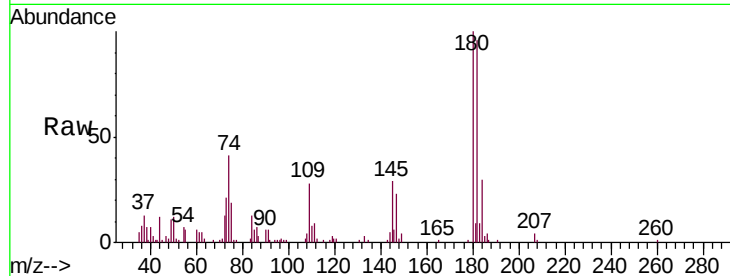




#70
 1,2,4-trichlorobenzene
 Concen: 1.623 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014983.D
 Acq: 13 Feb 2020 16:30

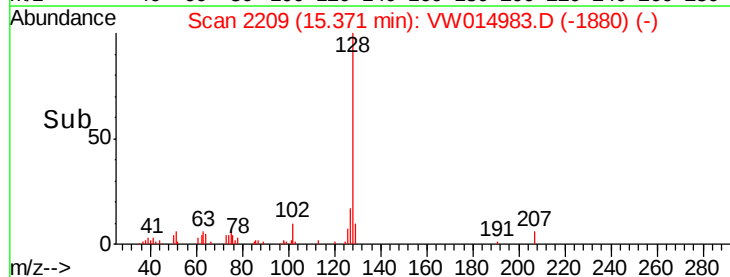
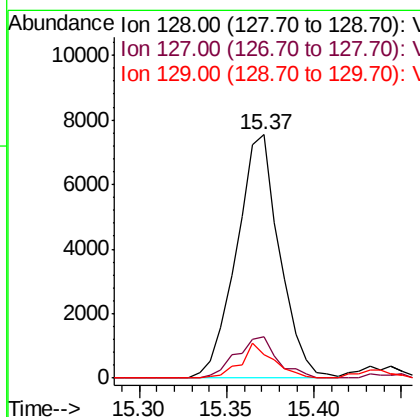
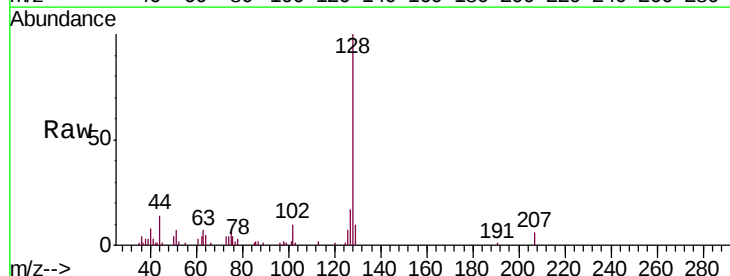
Instrument :
 MSVOA_W
 ClientSampled :
 MDL02

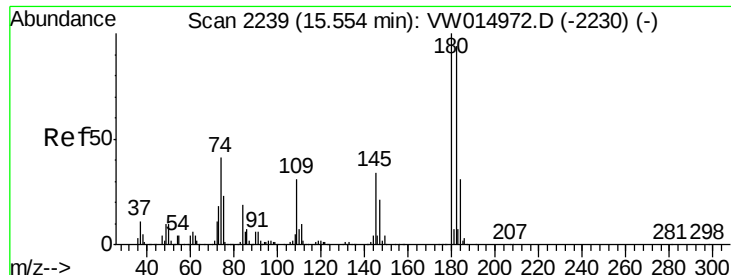
Tgt Ion:180 Resp: 13895
 Ion Ratio Lower Upper
 180 100
 182 98.5 76.2 114.4
 145 31.9 26.2 39.4



#71
 Naphthalene
 Concen: 1.471 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW014983.D
 Acq: 13 Feb 2020 16:30

Tgt Ion:128 Resp: 12932
 Ion Ratio Lower Upper
 128 100
 127 16.1 10.5 15.7#
 129 10.9 8.6 12.8

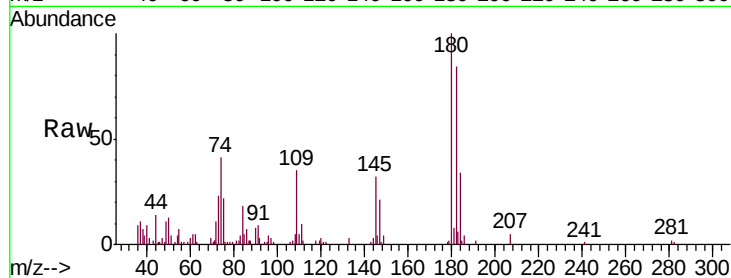




#72
 1,2,3-Trichlorobenzene
 Concen: 1.708 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW014983.D
 Acq: 13 Feb 2020 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Tgt Ion	Resp	Lower	Upper
180	13548		
182	92.5	75.2	112.8
145	33.4	27.0	40.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

