

Data File : VW014982.D
Acq On : 13 Feb 2020 16:03
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: Feb 14 04:23:11 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	737037	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	689140	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	283905	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	363484	24.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.96%
7) Chloroethane-d5	2.89	69	278793	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	4.02	63	496608	18.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.60%
21) 2-Butanone-d5	7.08	46	199194	48.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.30%
24) Chloroform-d	7.65	84	581489	24.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.24%
26) 1,2-Dichloroethane-d4	8.31	65	352801	25.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	8.27	84	1170782	25.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.84%
36) 1,2-Dichloropropane-d6	9.27	67	402006	25.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.68%
41) Toluene-d8	10.32	98	996901	25.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	10.57	79	144881	23.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.52%
47) 2-Hexanone-d5	10.92	63	136485	48.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.10%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	290330	24.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.44%
66) 1,2-Dichlorobenzene-d4	13.85	152	278079	26.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	12622	1.724 ug/L	97
3) Chloromethane	2.21	50	26784	1.945 ug/L	95
6) Bromomethane	2.78	94	16451	2.046 ug/L	96
8) Chloroethane	2.92	64	18341	1.934 ug/L	100
9) Trichlorofluoromethane	3.26	101	12365	1.766 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.05	101	11759	1.027 ug/L #	36
12) 1,1-Dichloroethene	4.04	96	24069	2.191 ug/L #	1
13) Acetone	4.12	43	20822	4.822 ug/L	97
14) Carbon disulfide	4.39	76	77032	1.940 ug/L	98
15) Methyl Acetate	4.68	43	14491	1.934 ug/L	93
16) Methylene chloride	4.92	84	70420	5.171 ug/L	96
17) trans-1,2-Dichloroethene	5.42	96	23031	2.078 ug/L	87
18) Methyl tert-butyl Ether	5.43	73	25767	1.884 ug/L	94
19) 1,1-Dichloroethane	6.21	63	49940	2.017 ug/L	96
20) cis-1,2-Dichloroethene	7.17	96	22416	1.962 ug/L	98
22) 2-Butanone	7.17	43	24634	4.745 ug/L	81
23) Bromochloromethane	7.52	128	9071	1.958 ug/L	98

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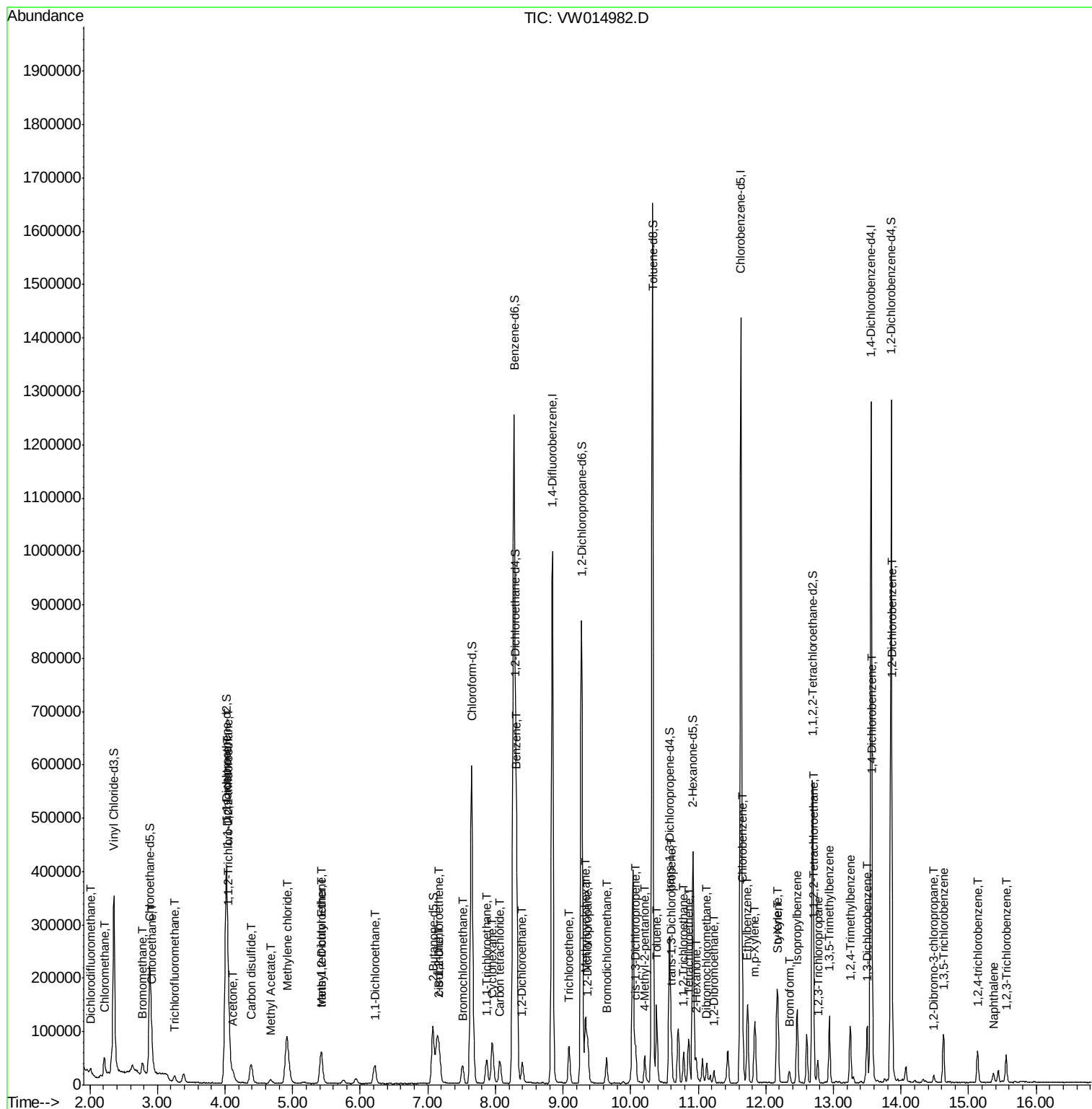
27) 1,2-Dichloroethane	8.40	62	34007	2.098	ug/L #	95
29) Cyclohexane	7.96	56	37012	1.647	ug/L	99
30) 1,1,1-Trichloroethane	7.87	97	33887	2.022	ug/L	99
31) Carbon tetrachloride	8.06	117	30744	2.035	ug/L	96
33) Benzene	8.32	78	102925	2.034	ug/L	100
34) Trichloroethene	9.09	95	24205	1.997	ug/L	98
35) Methylcyclohexane	9.34	83	37458	1.792	ug/L	96
37) 1,2-Dichloropropane	9.37	63	28808	2.039	ug/L #	97
38) Bromodichloromethane	9.64	83	31705	1.992	ug/L	97
39) cis-1,3-Dichloropropene	10.07	75	36165	1.913	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	36495	3.627	ug/L	97
42) Toluene	10.38	91	102051	2.087	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	36441	2.323	ug/L	98
45) 1,1,2-Trichloroethane	10.79	97	17956	2.095	ug/L	92
46) Tetrachloroethene	10.86	164	16018	2.036	ug/L	87
48) 2-Hexanone	10.97	43	28721	3.918	ug/L	99
49) Dibromochloromethane	11.13	129	17674	1.979	ug/L	98
50) 1,2-Dibromoethane	11.24	107	15111	1.955	ug/L	100
51) Chlorobenzene	11.66	112	56285	1.952	ug/L	98
52) Ethylbenzene	11.73	91	96859	1.819	ug/L	99
53) m,p-Xylene	11.84	106	32327	1.730	ug/L	95
54) o-Xylene	12.16	106	29016	1.654	ug/L	89
55) Styrene	12.18	104	47771	1.579	ug/L	90
57) 1,1,2,2-Tetrachloroethane	12.71	83	23757	2.071	ug/L #	99
59) Bromoform	12.35	173	8634	1.989	ug/L #	96
60) Isopropylbenzene	12.46	105	75934	1.709	ug/L	99
61) 1,2,3-Trichloropropane	12.77	75	18037	2.168	ug/L	100
62) 1,3,5-Trimethylbenzene	12.94	105	59028	1.666	ug/L	96
63) 1,2,4-Trimethylbenzene	13.25	105	53394	1.540	ug/L	98
64) 1,3-Dichlorobenzene	13.50	146	35526	1.939	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	37972	2.011	ug/L	94
67) 1,2-Dichlorobenzene	13.87	146	36963	2.180	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.49	75	3605	2.072	ug/L	87
69) 1,3,5-Trichlorobenzene	14.63	180	24093	1.962	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	15184	1.650	ug/L	98
71) Naphthalene	15.36	128	12961	1.371	ug/L	95
72) 1,2,3-Trichlorobenzene	15.55	180	14434	1.692	ug/L	96

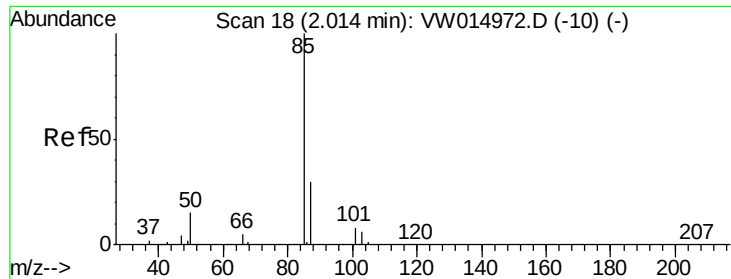
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.724 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampleId :

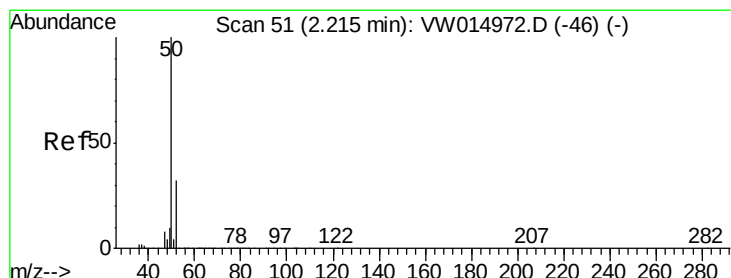
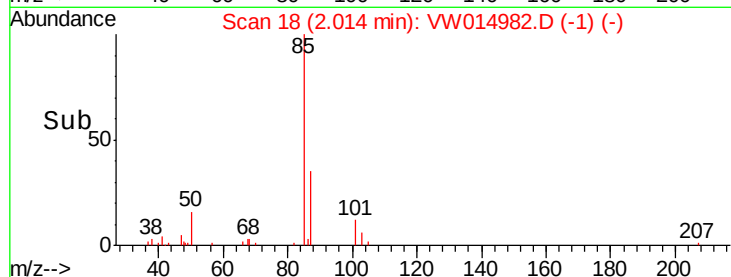
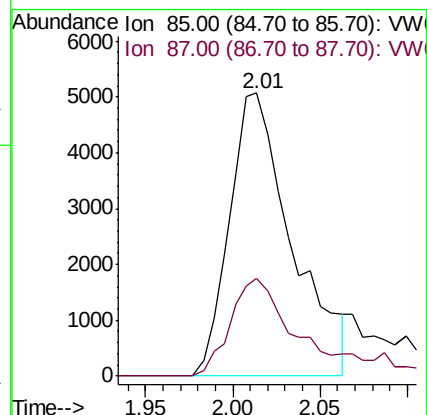
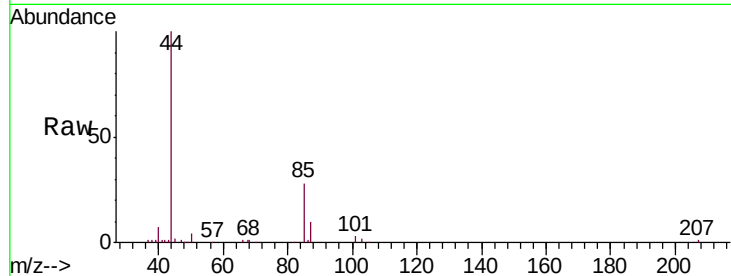
MDL01

Tgt Ion: 85 Resp: 12622

Ion Ratio Lower Upper

85 100

87 28.6 21.5 32.3



#3

Chloromethane

Concen: 1.945 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014982.D

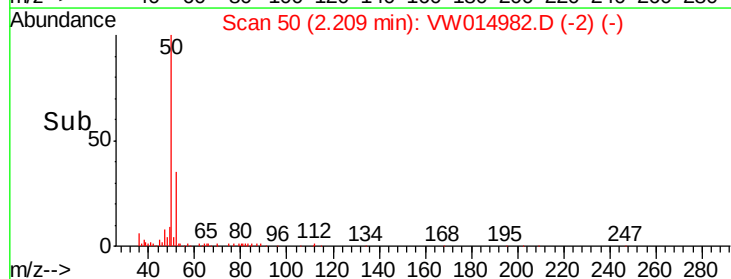
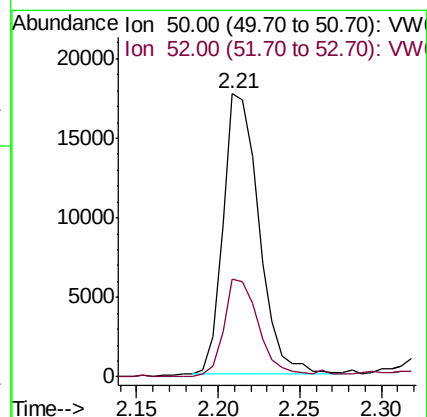
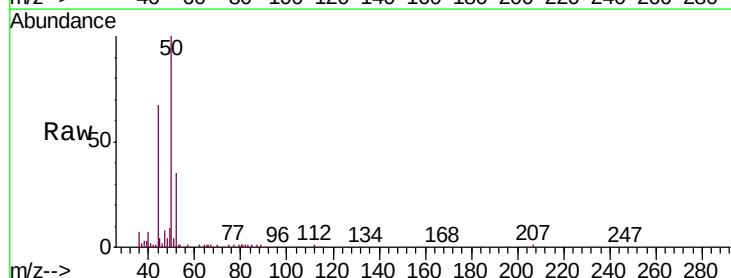
Acq: 13 Feb 2020 16:03

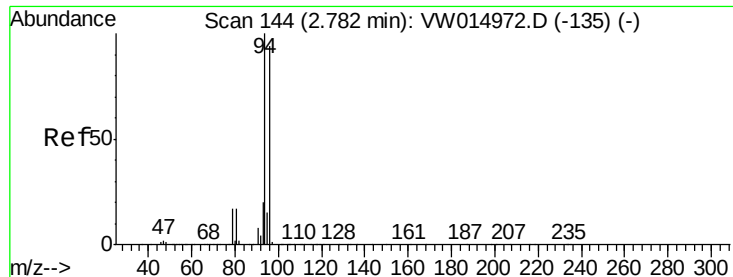
Tgt Ion: 50 Resp: 26784

Ion Ratio Lower Upper

50 100

52 34.6 22.3 41.3





#6

Bromomethane

Concen: 2.046 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampled :

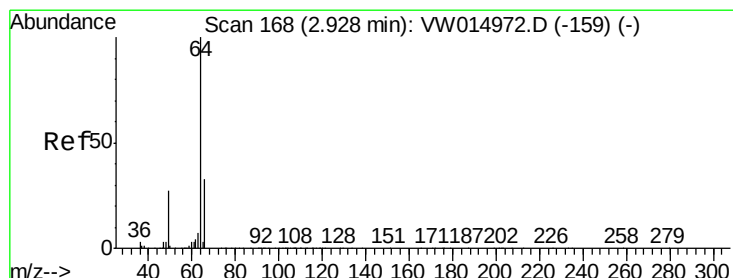
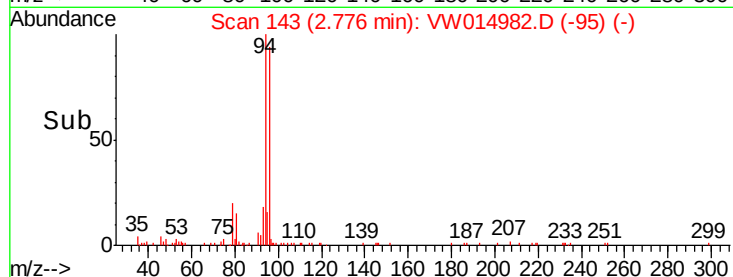
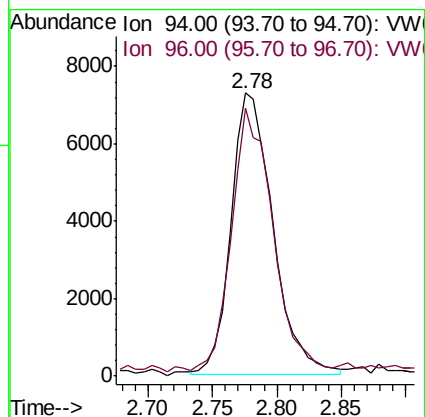
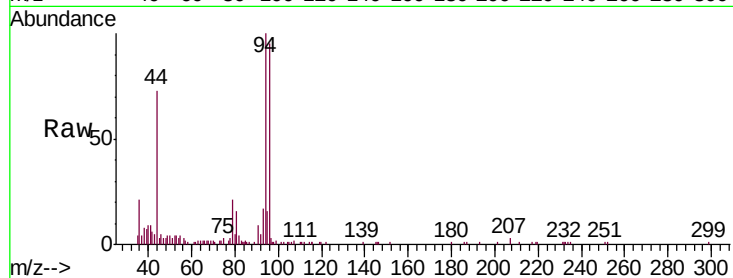
MDL01

Tgt Ion: 94 Resp: 16451

Ion Ratio Lower Upper

94 100

96 98.0 65.8 122.2



#8

Chloroethane

Concen: 1.934 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW014982.D

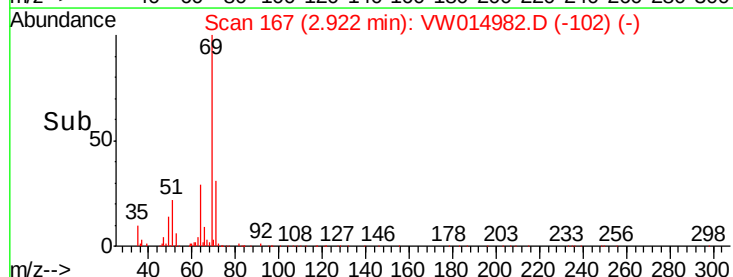
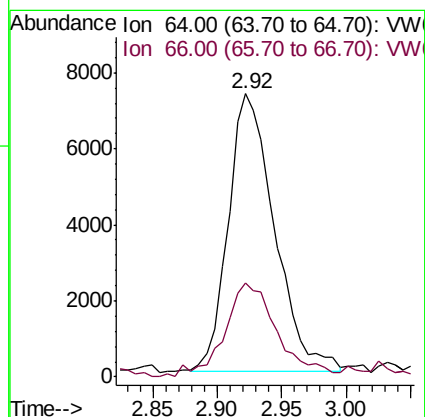
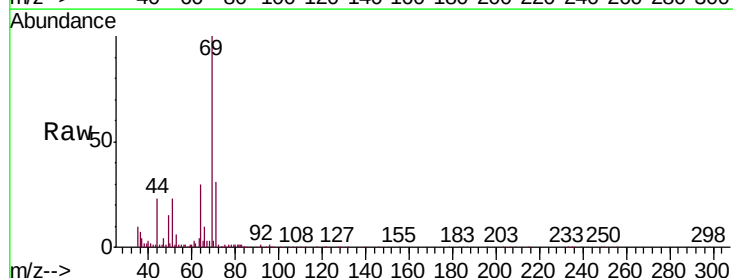
Acq: 13 Feb 2020 16:03

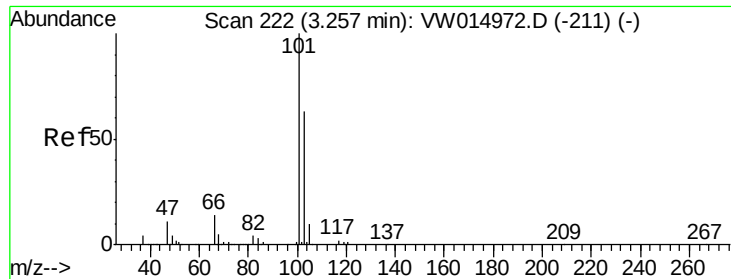
Tgt Ion: 64 Resp: 18341

Ion Ratio Lower Upper

64 100

66 33.0 23.1 42.9





#9

Trichlorofluoromethane

Concen: 1.766 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampleId :

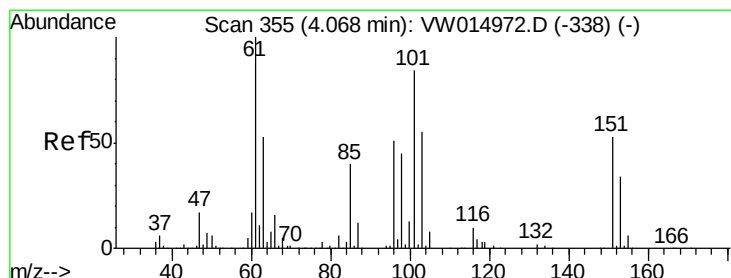
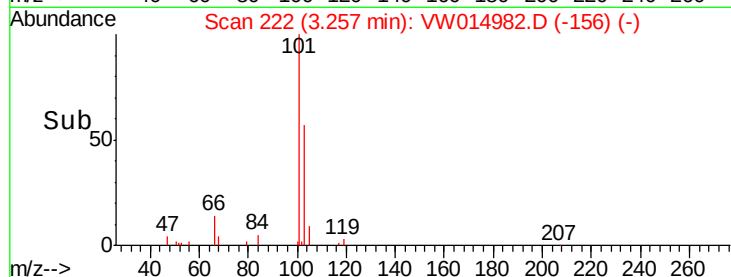
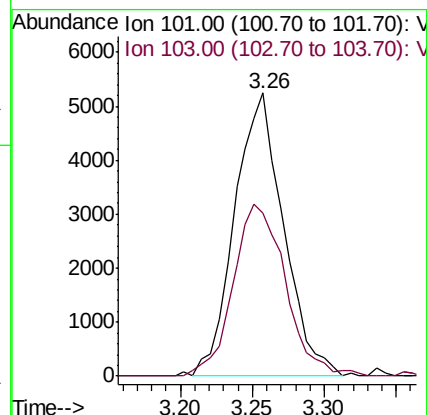
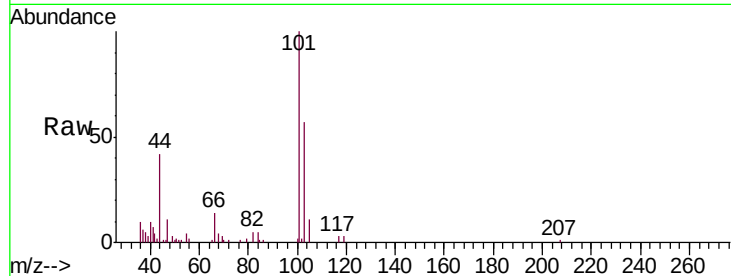
MDL01

Tgt Ion:101 Resp: 12365

Ion Ratio Lower Upper

101 100

103 64.3 51.5 77.3



#10

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

Concen: 1.027 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

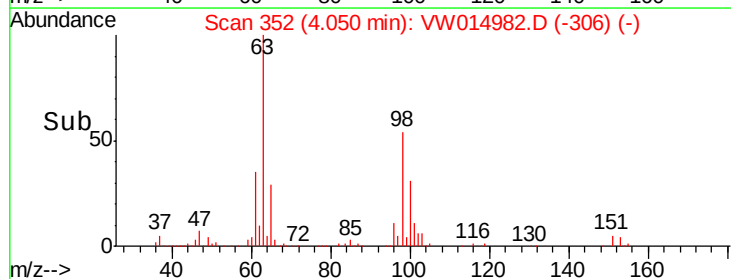
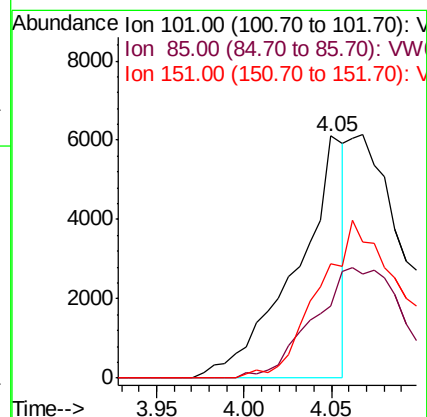
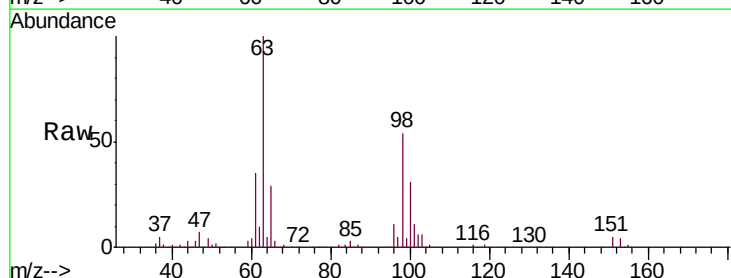
Tgt Ion:101 Resp: 11759

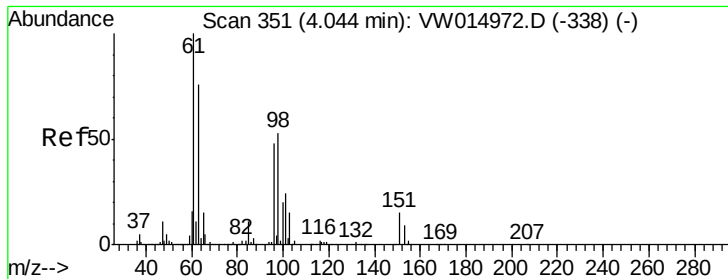
Ion Ratio Lower Upper

101 100

85 79.4 36.5 54.7#

151 119.5 50.2 75.4#

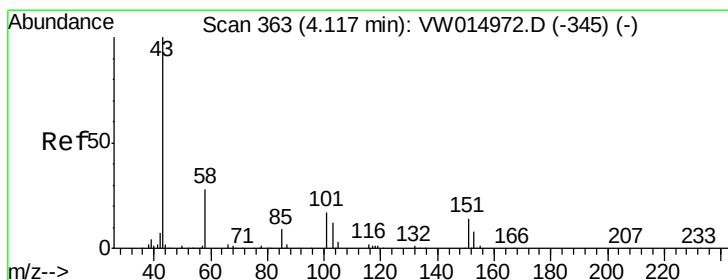
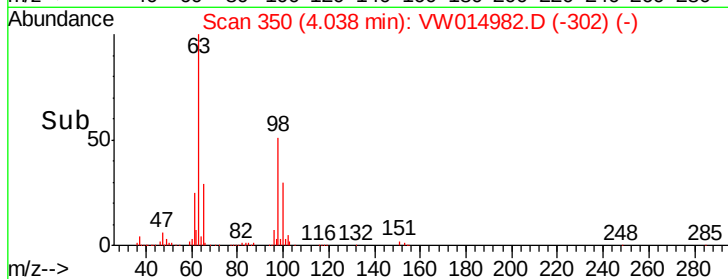
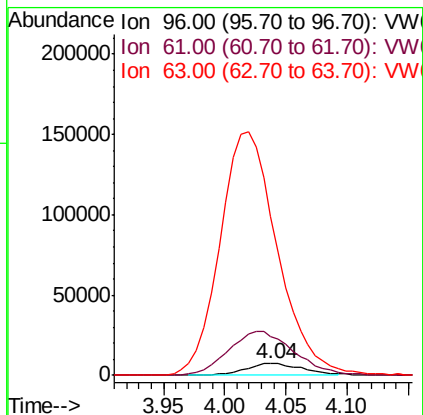
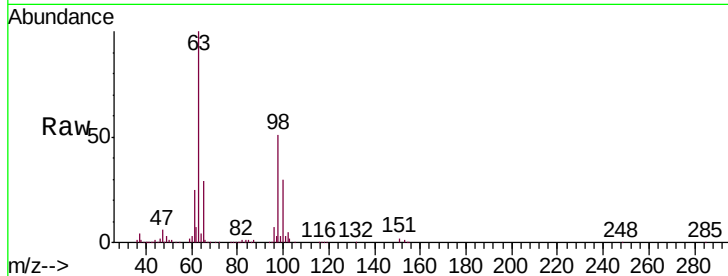




#12
 1,1-Dichloroethene
 Concen: 2.191 ug/L
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

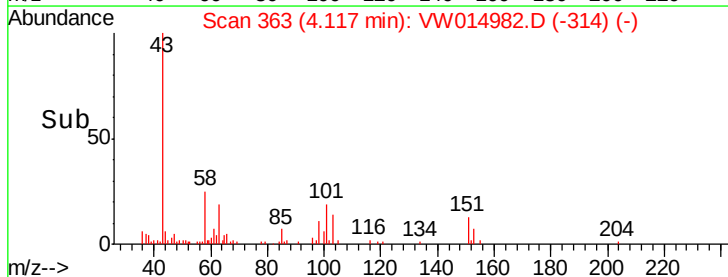
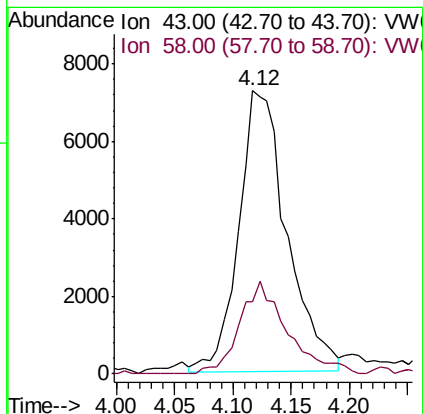
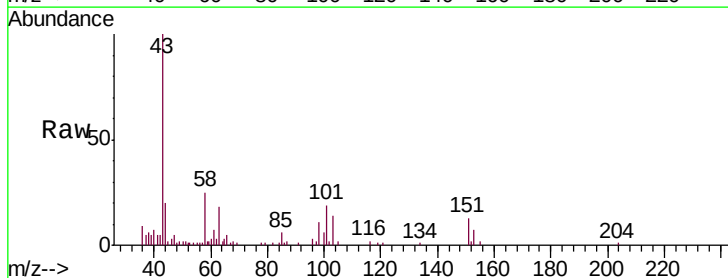
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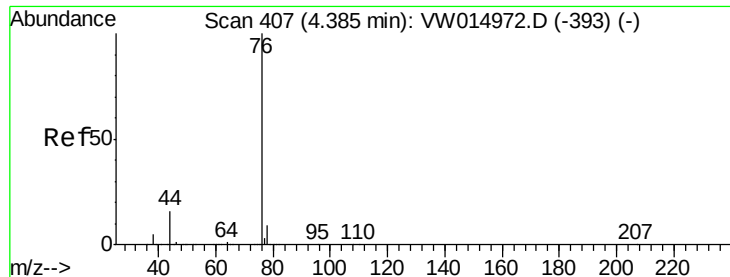
Tgt Ion: 96 Resp: 24069
 Ion Ratio Lower Upper
 96 100
 61 330.6 147.0 273.0#
 63 1342.6 113.4 210.6#



#13
 Acetone
 Concen: 4.822 ug/L
 RT: 4.12 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion: 43 Resp: 20822
 Ion Ratio Lower Upper
 43 100
 58 25.5 0.0 54.6





#14

Carbon disulfide

Concen: 1.940 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampled :

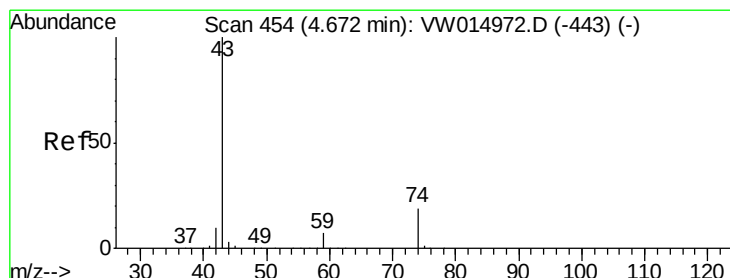
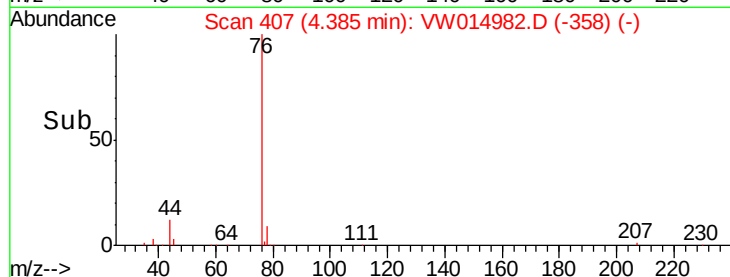
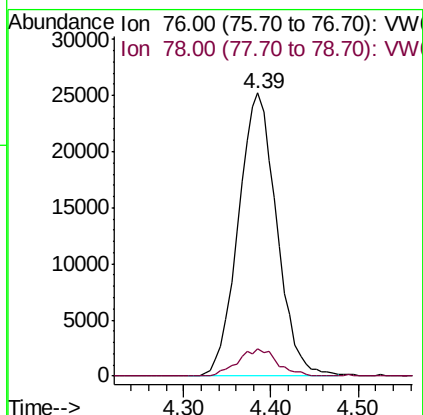
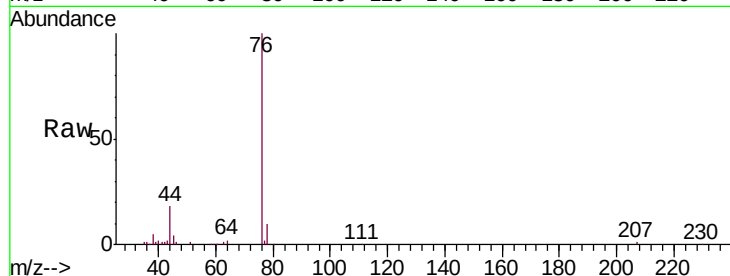
MDL01

Tgt Ion: 76 Resp: 77032

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8



#15

Methyl Acetate

Concen: 1.934 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW014982.D

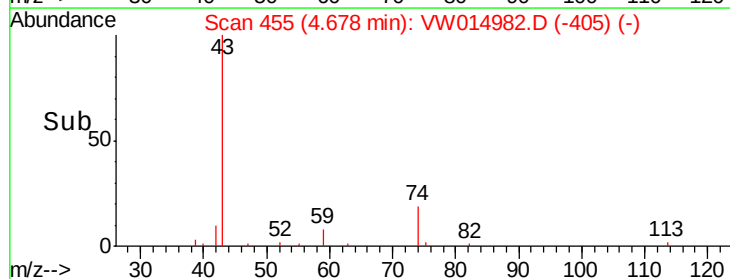
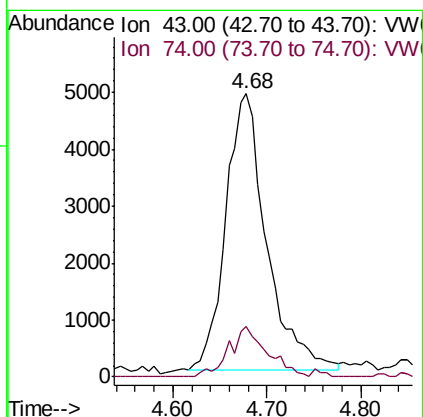
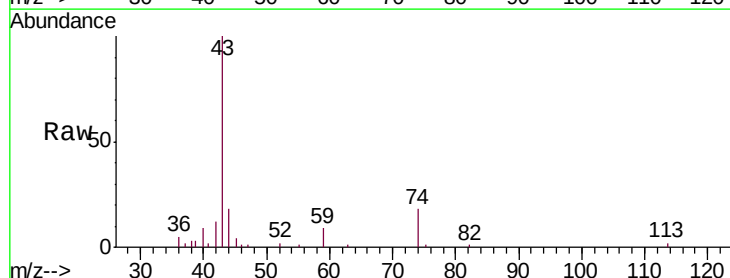
Acq: 13 Feb 2020 16:03

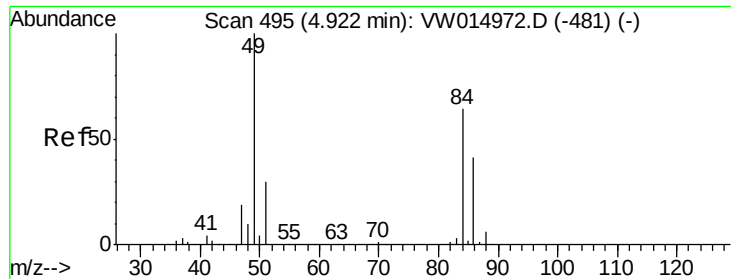
Tgt Ion: 43 Resp: 14491

Ion Ratio Lower Upper

43 100

74 15.2 14.6 21.8

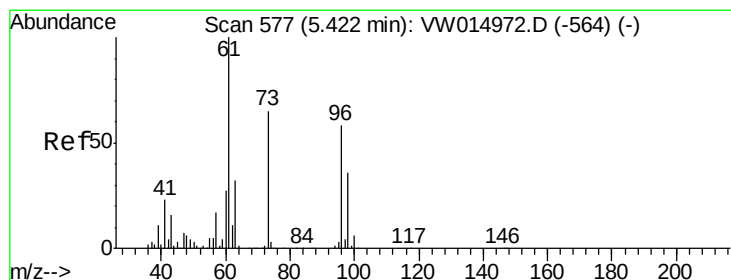
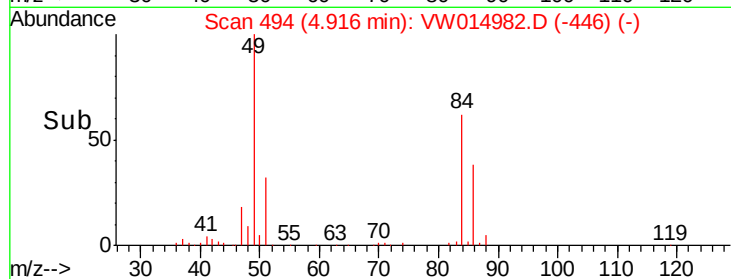
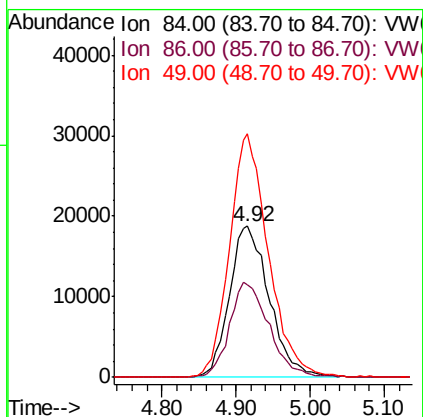
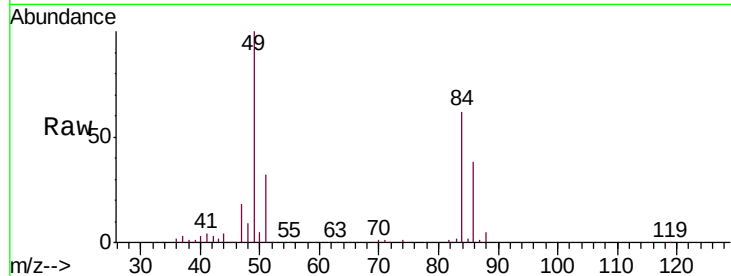




#16
Methylene chloride
Concen: 5.171 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

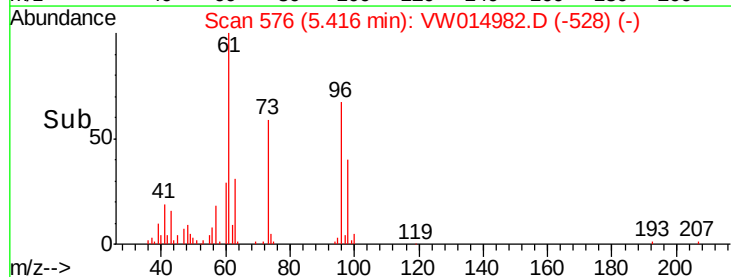
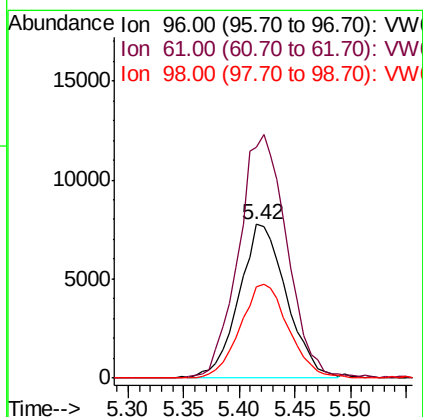
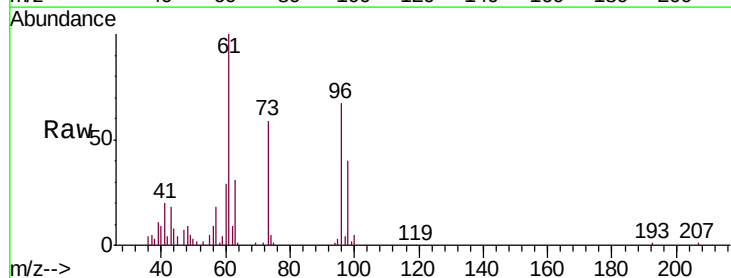
Instrument :
MSVOA_W
ClientSampled :
MDL01

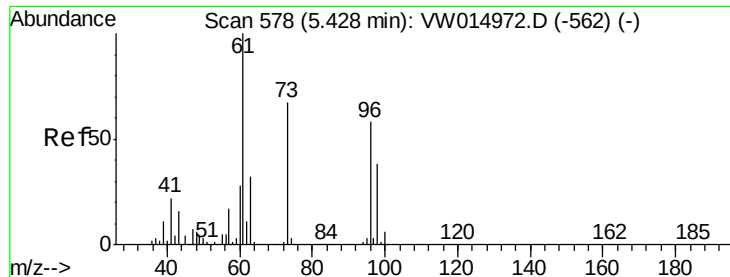
Tgt Ion: 84 Resp: 70420
Ion Ratio Lower Upper
84 100
86 61.6 44.4 82.4
49 161.1 109.0 202.4



#17
trans-1,2-Dichloroethene
Concen: 2.078 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion: 96 Resp: 23031
Ion Ratio Lower Upper
96 100
61 149.8 120.1 223.1
98 59.2 43.8 81.3

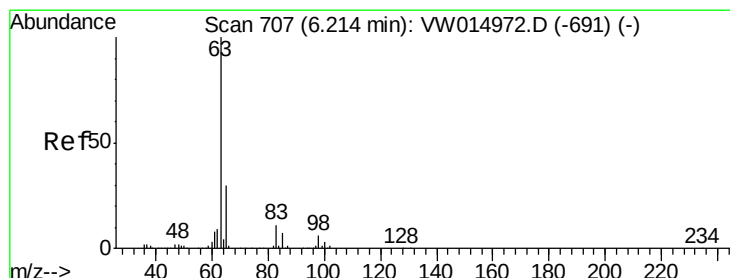
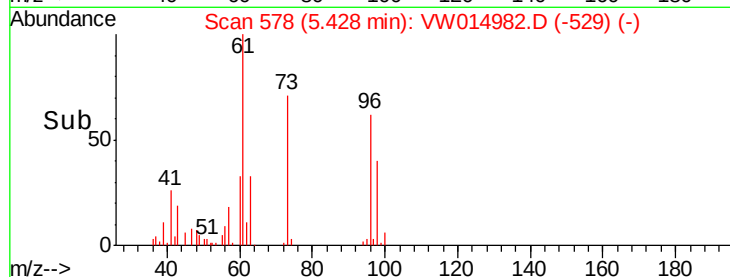
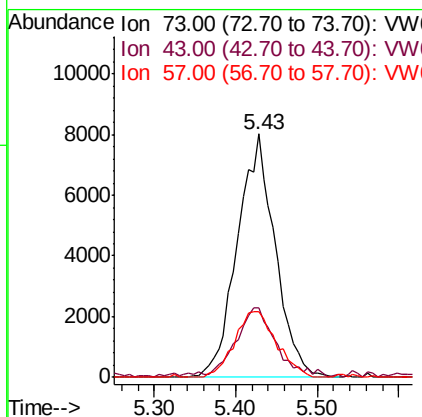
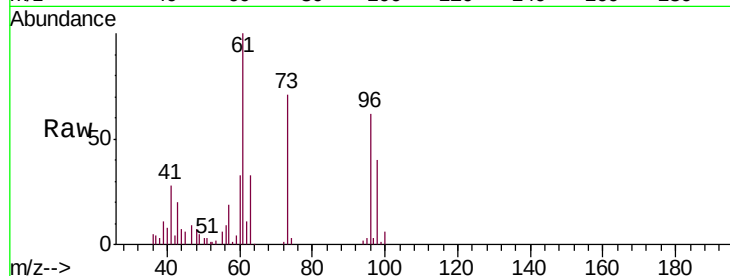




#18
Methyl tert-butyl Ether
Concen: 1.884 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

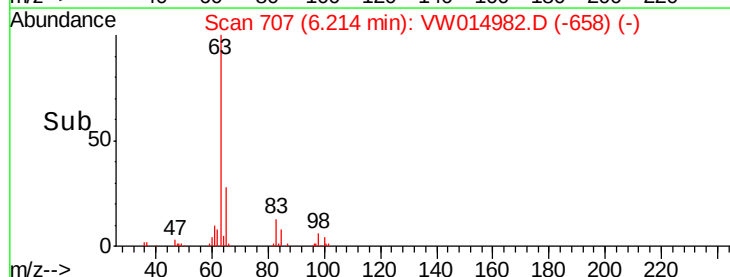
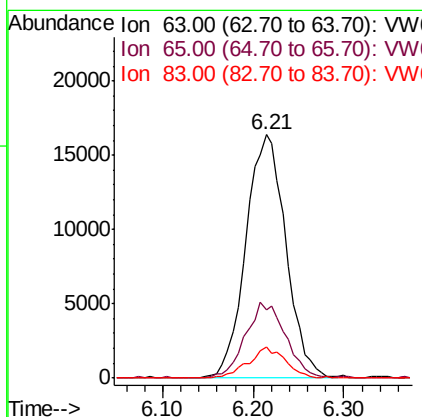
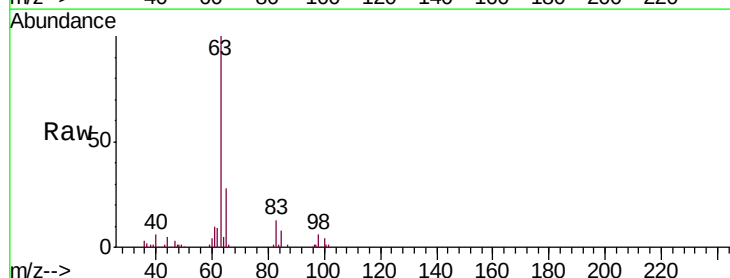
Instrument :
MSVOA_W
ClientSampled :
MDL01

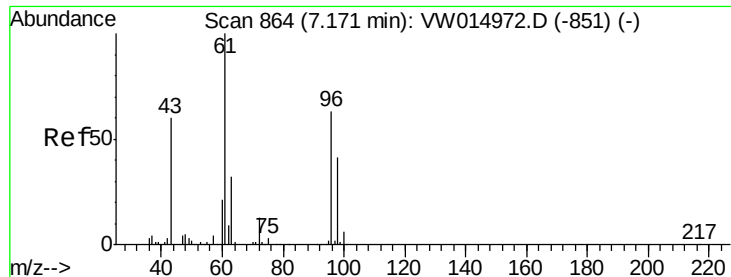
Tgt Ion: 73 Resp: 25767
Ion Ratio Lower Upper
73 100
43 27.2 19.6 29.4
57 29.9 21.0 31.4



#19
1,1-Dichloroethane
Concen: 2.017 ug/L
RT: 6.21 min Scan# 707
Delta R.T. -0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion: 63 Resp: 49940
Ion Ratio Lower Upper
63 100
65 28.0 20.9 38.7
83 12.8 7.8 14.6

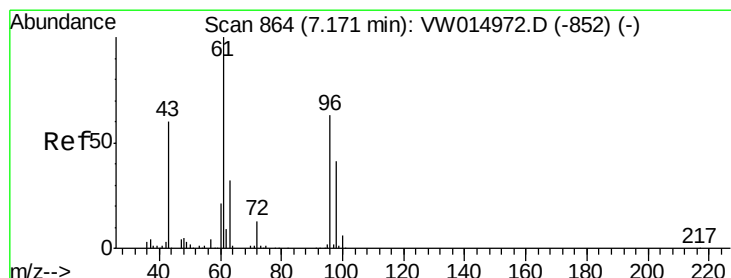
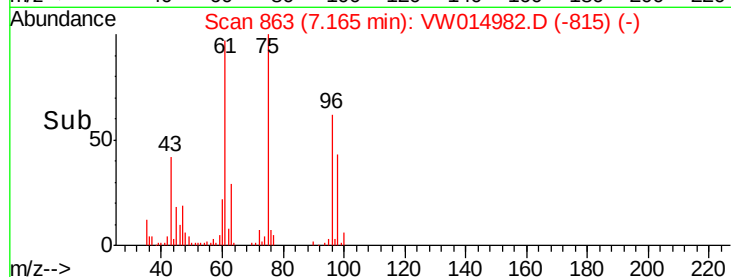
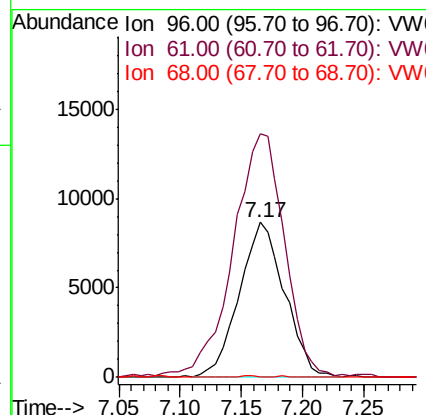
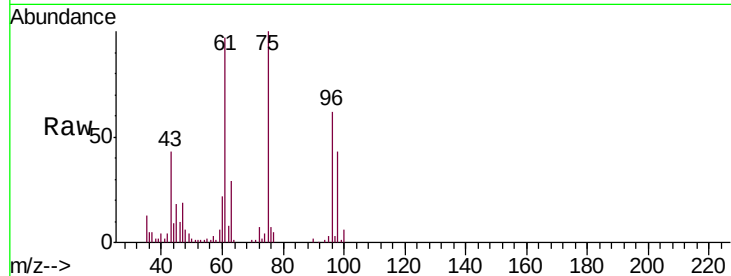




#20
 cis-1,2-Dichloroethene
 Concen: 1.962 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

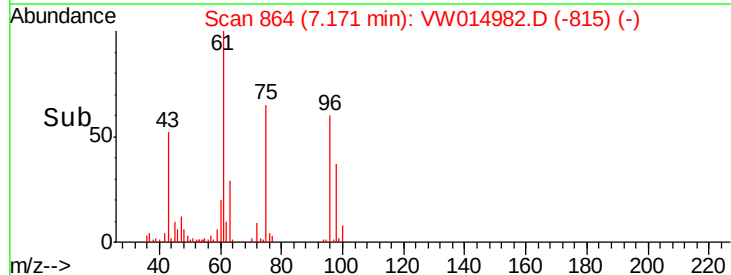
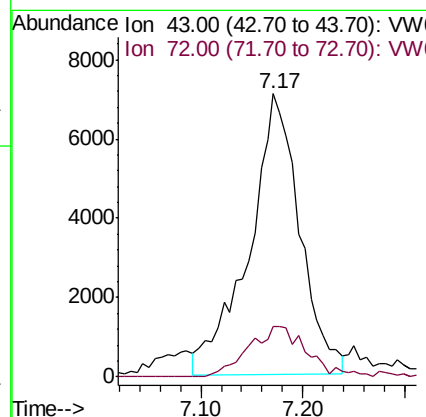
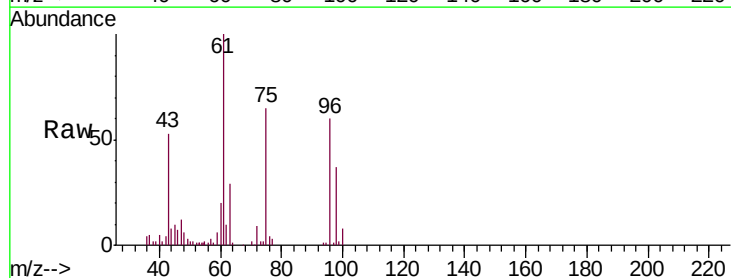
Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

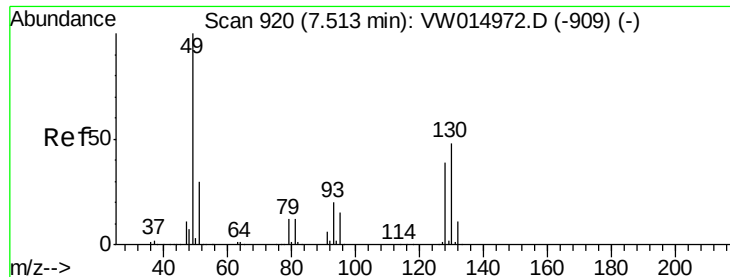
Tgt Ion: 96 Resp: 22416
 Ion Ratio Lower Upper
 96 100
 61 157.2 111.5 207.1
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 4.745 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion: 43 Resp: 24634
 Ion Ratio Lower Upper
 43 100
 72 12.9 11.1 33.1





#23

Bromochloromethane

Concen: 1.958 ug/L

RT: 7.52 min Scan# 921

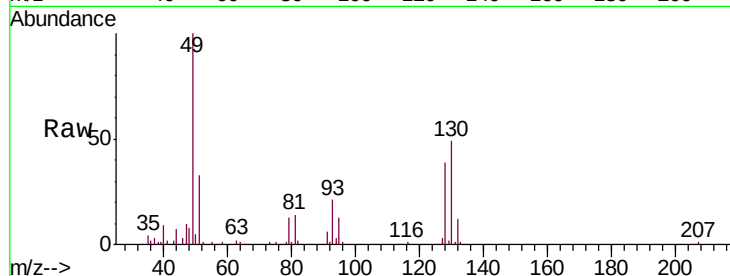
Delta R.T. 0.01 min

Lab File: VW014982.D

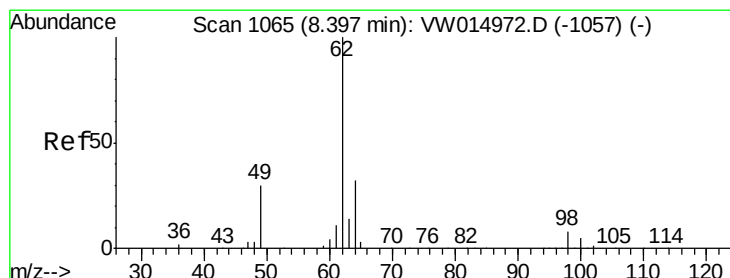
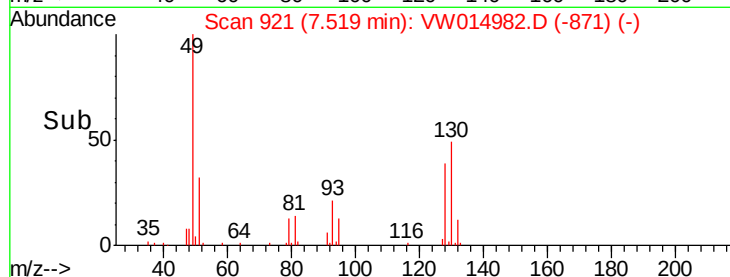
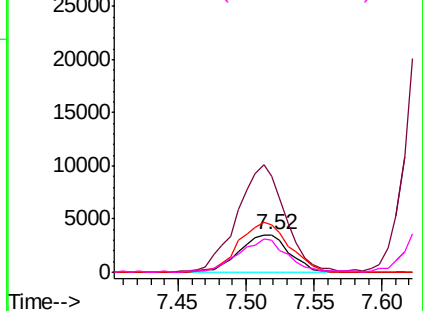
Acq: 13 Feb 2020 16:03

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tgt Ion:	128	Resp:	9071
Ion	Ratio	Lower	Upper
128	100		
49	255.2	179.0	332.4
130	125.3	85.5	158.7
51	84.8	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



#27

1,2-Dichloroethane

Concen: 2.098 ug/L

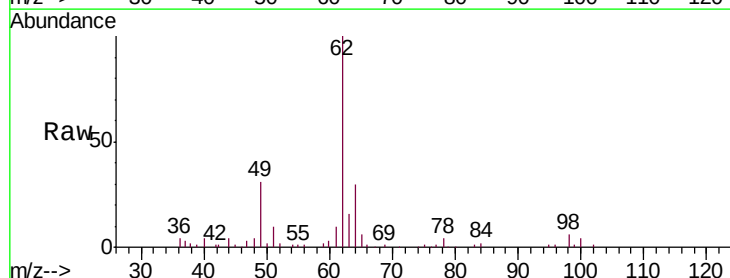
RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

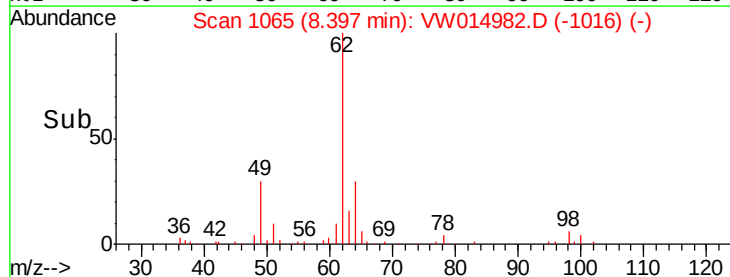
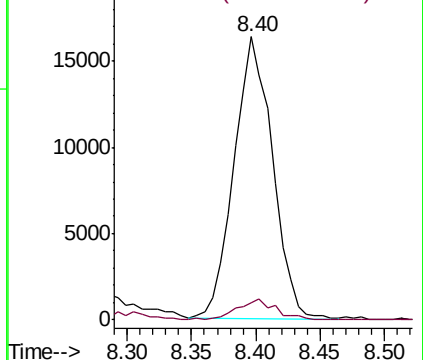
Lab File: VW014982.D

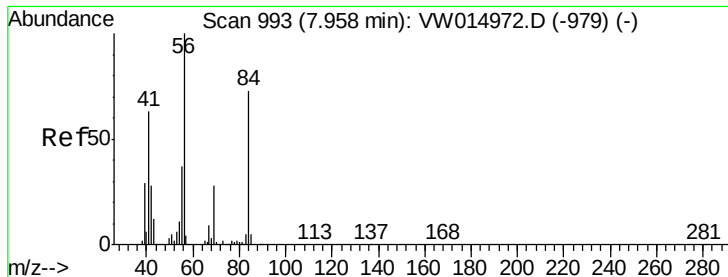
Acq: 13 Feb 2020 16:03

Tgt Ion:	62	Resp:	34007
Ion	Ratio	Lower	Upper
62	100		
98	6.1	6.2	9.4#



Abundance Ion 62.00 (61.70 to 62.70): VW
Ion 98.00 (97.70 to 98.70): VW

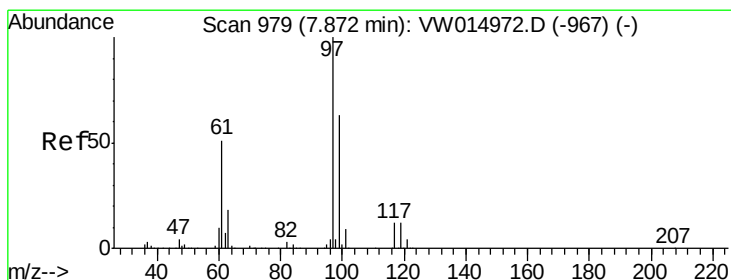
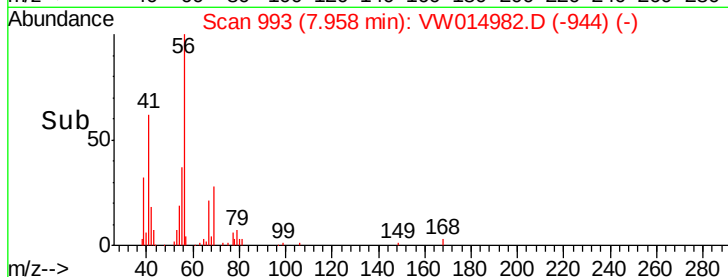
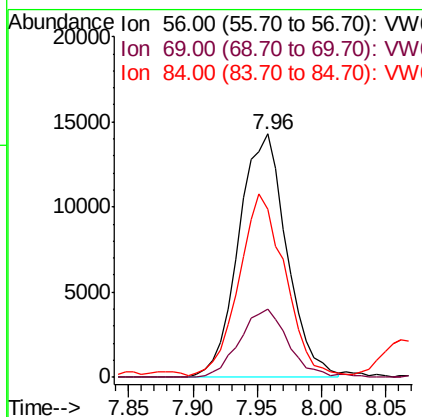
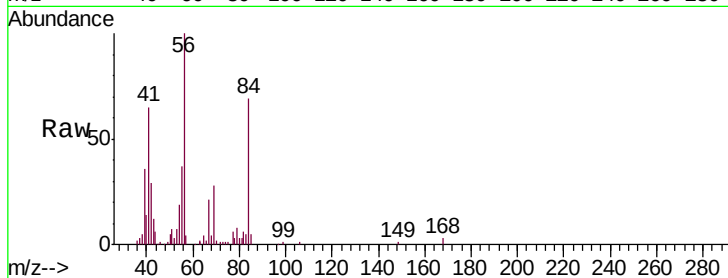




#29
Cyclohexane
Concen: 1.647 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

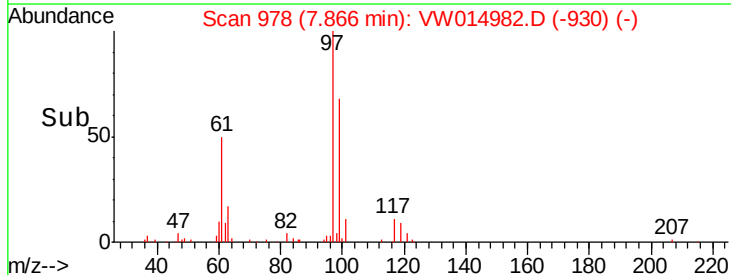
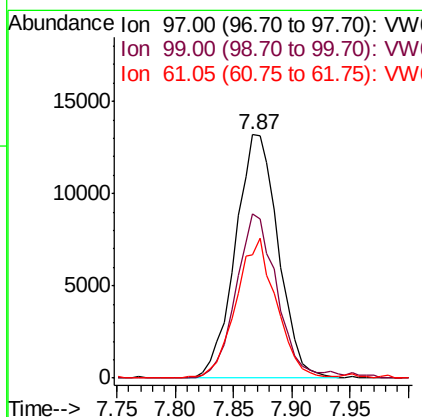
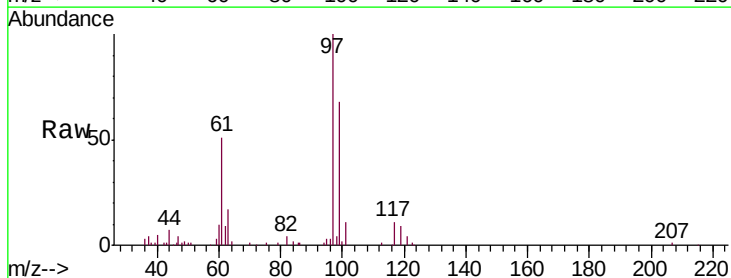
Instrument :
MSVOA_W
ClientSampleId :
MDL01

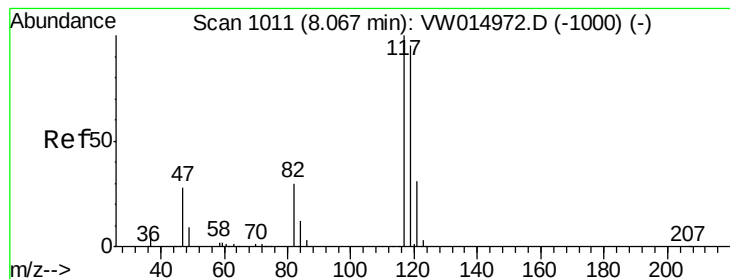
Tgt Ion: 56 Resp: 37012
Ion Ratio Lower Upper
56 100
69 27.8 22.0 33.0
84 73.2 57.8 86.6



#30
1,1,1-Trichloroethane
Concen: 2.022 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion: 97 Resp: 33887
Ion Ratio Lower Upper
97 100
99 63.9 50.6 75.8
61 53.9 42.7 64.1





#31

Carbon tetrachloride

Concen: 2.035 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampled :

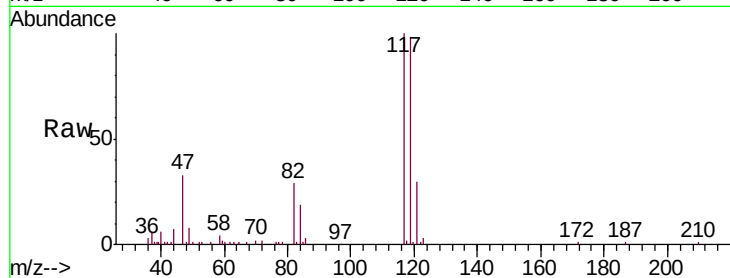
MDL01

Tgt Ion:117 Resp: 30744

Ion Ratio Lower Upper

117 100

119 92.0 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

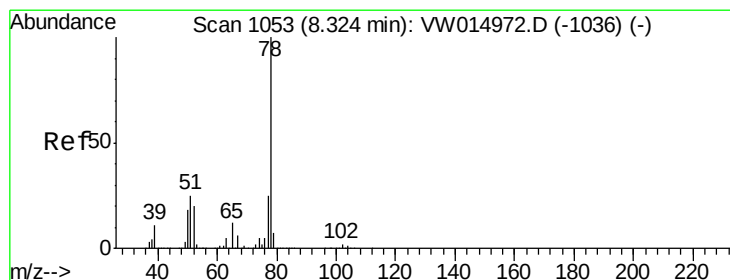
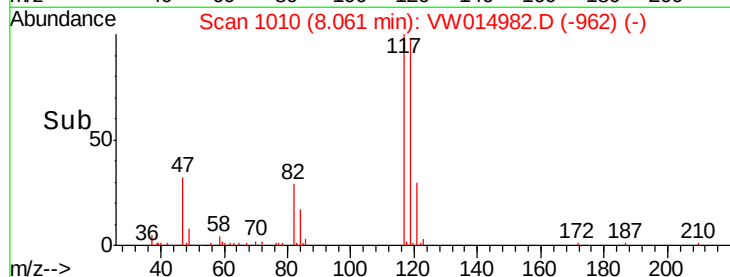
8.06

10000

5000

0

Time--> 7.95 8.00 8.05 8.10 8.15



#33

Benzene

Concen: 2.034 ug/L

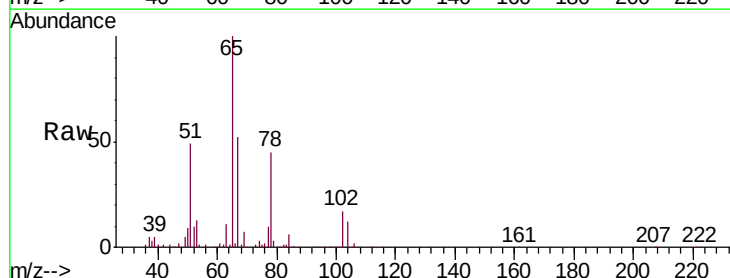
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Tgt Ion: 78 Resp: 102925



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

50000

40000

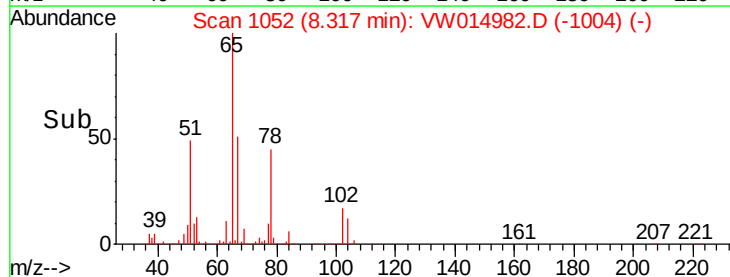
30000

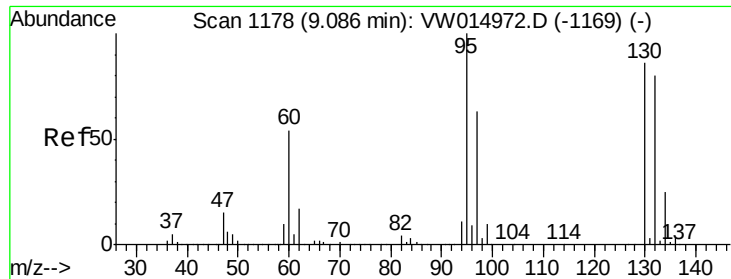
20000

10000

0

Time--> 8.25 8.30 8.35 8.40

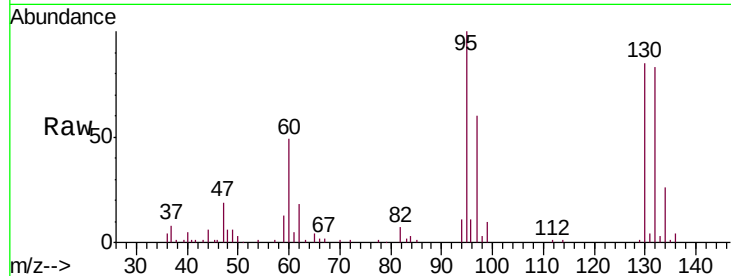




#34
 Trichloroethene
 Concen: 1.997 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tgt Ion:	95	Resp:	24205
Ion	Ratio	Lower	Upper
95	100		
97	59.8	44.2	82.0
132	82.5	56.1	104.3
130	85.3	60.1	111.7



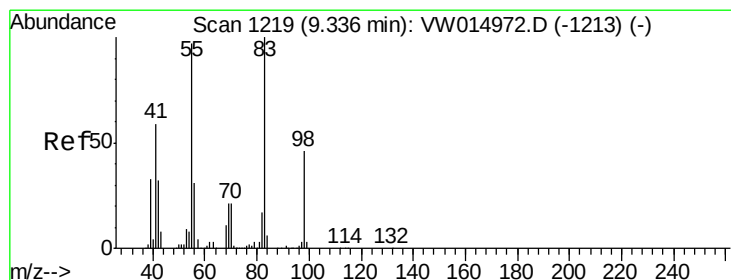
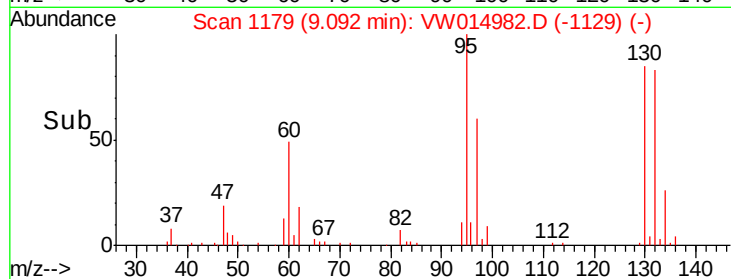
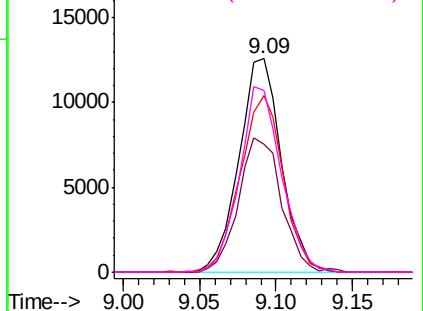
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

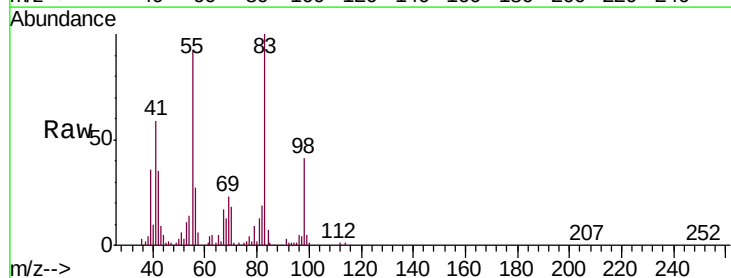
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35
 Methylcyclohexane
 Concen: 1.792 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion:	83	Resp:	37458
Ion	Ratio	Lower	Upper
83	100		
55	101.1	76.3	114.5
98	46.3	36.4	54.6

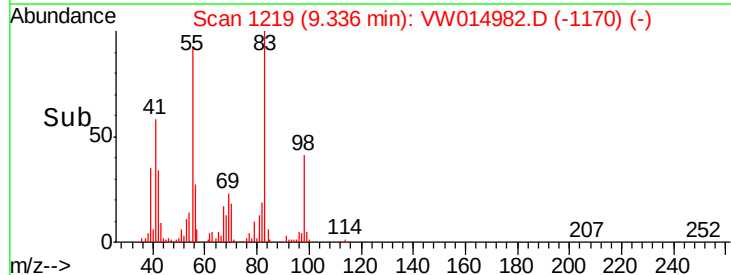
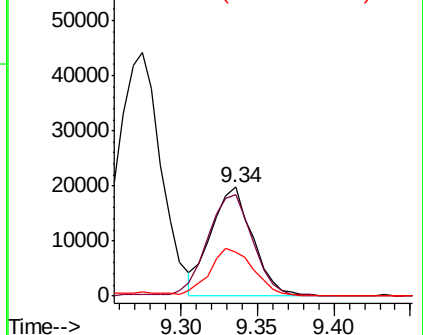


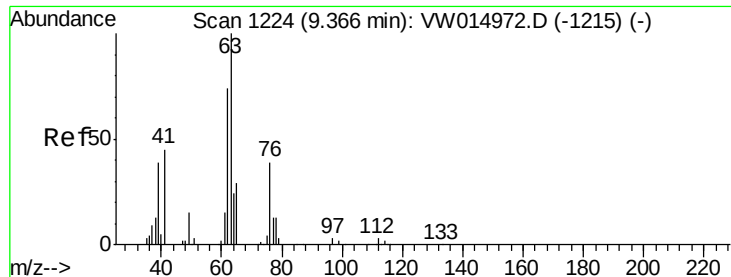
Abundance

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

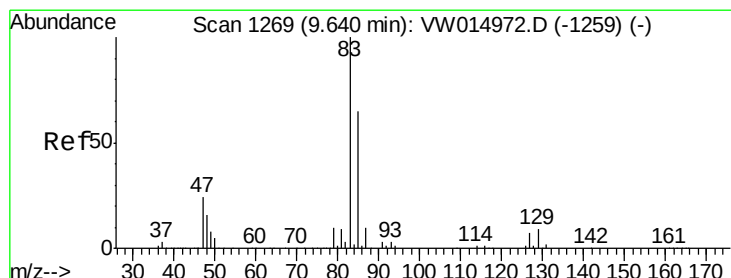
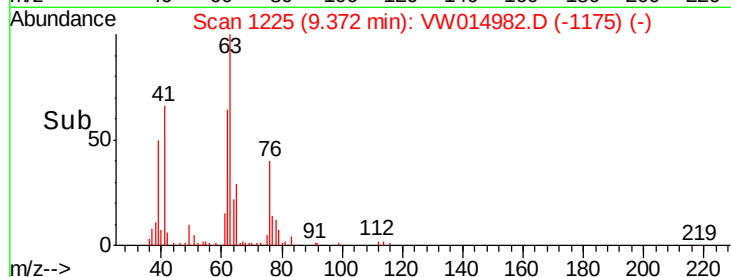
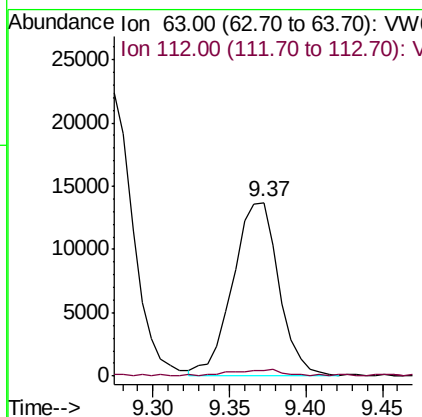
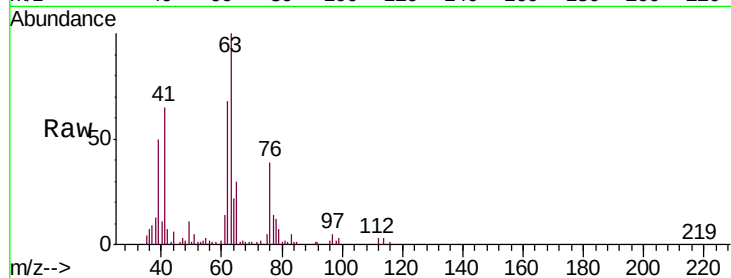




#37
 1,2-Dichloropropane
 Concen: 2.039 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

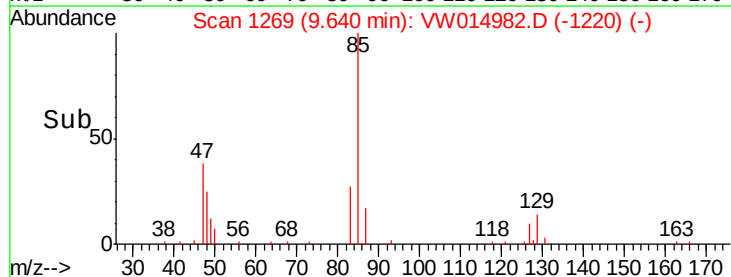
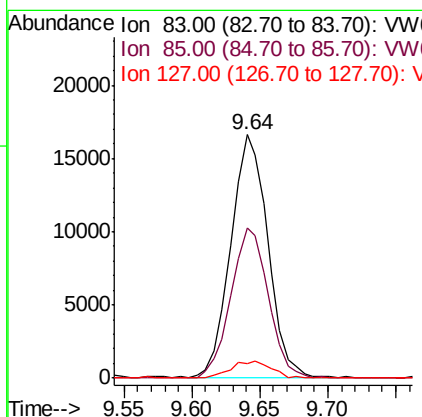
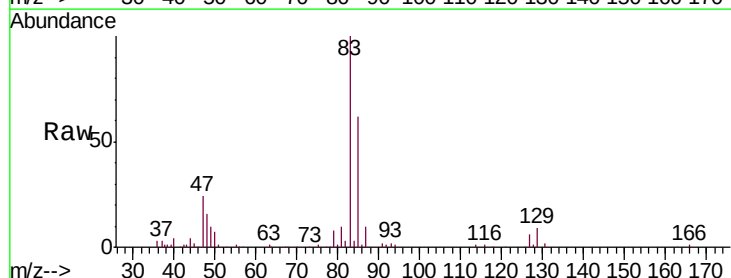
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

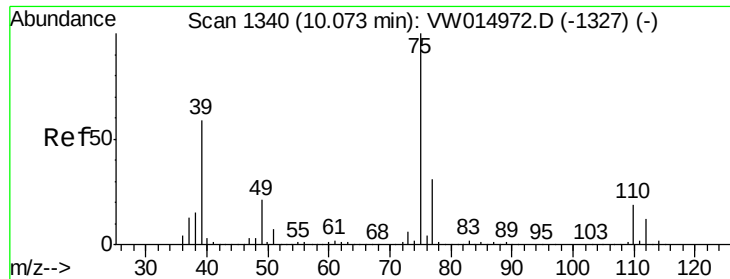
Tgt Ion: 63 Resp: 28808
 Ion Ratio Lower Upper
 63 100
 112 4.4 2.6 4.0#



#38
 Bromodichloromethane
 Concen: 1.992 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion: 83 Resp: 31705
 Ion Ratio Lower Upper
 83 100
 85 61.9 45.2 84.0
 127 6.1 5.5 8.3

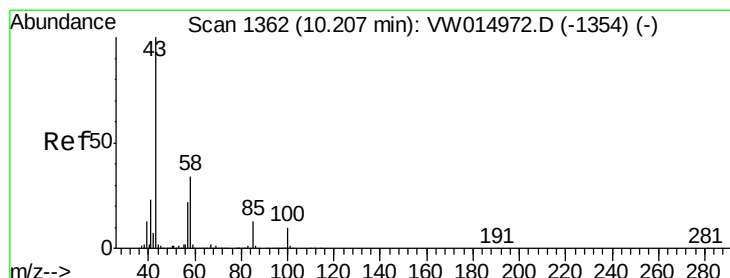
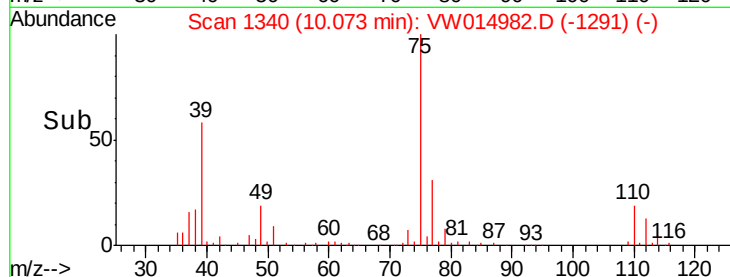
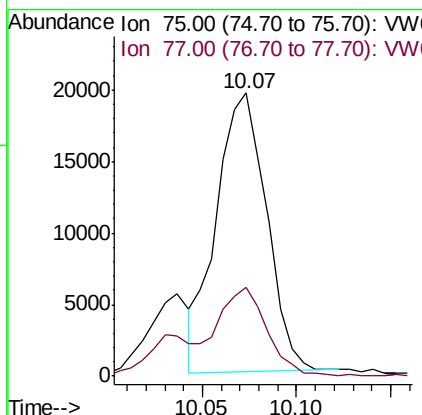
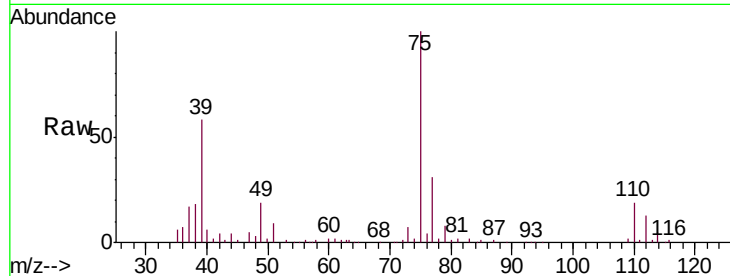




#39
 cis-1,3-Dichloropropene
 Concen: 1.913 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

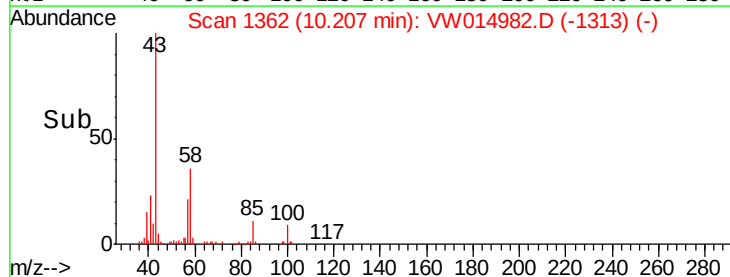
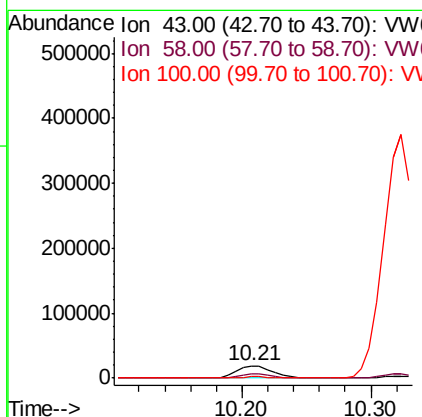
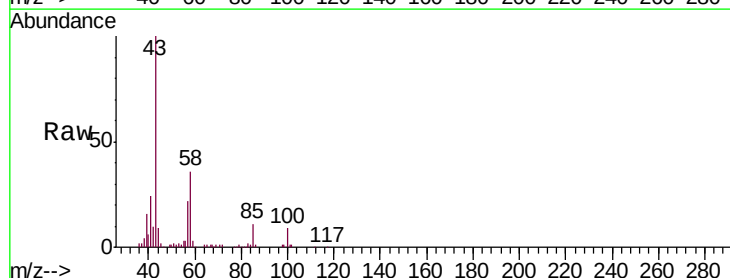
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

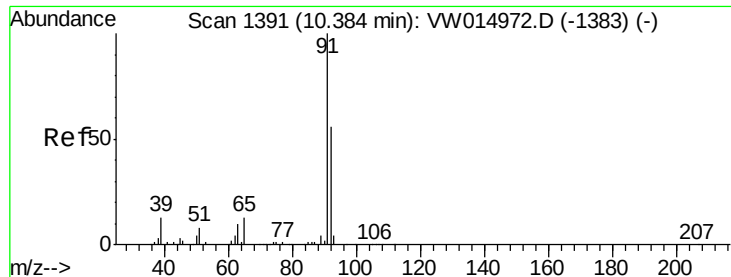
Tgt Ion: 75 Resp: 36165
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 3.627 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion: 43 Resp: 36495
 Ion Ratio Lower Upper
 43 100
 58 32.7 27.7 41.5
 100 10.3 8.6 13.0





#42

Toluene

Concen: 2.087 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampled :

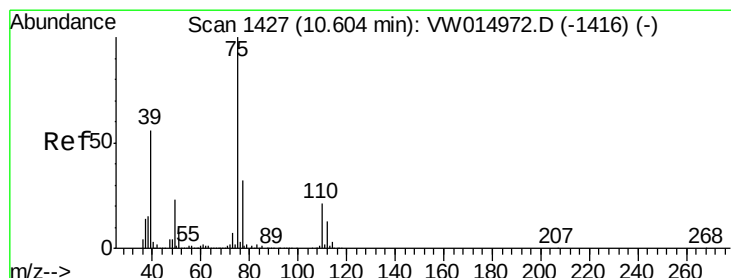
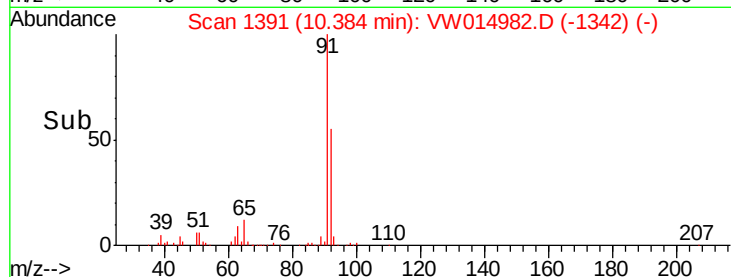
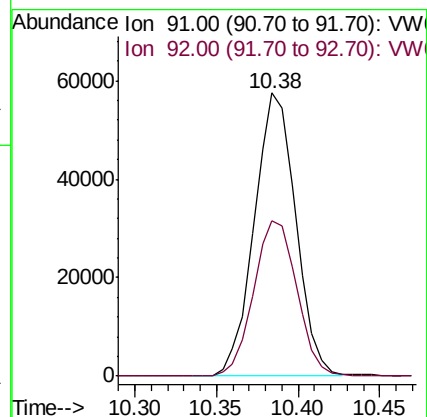
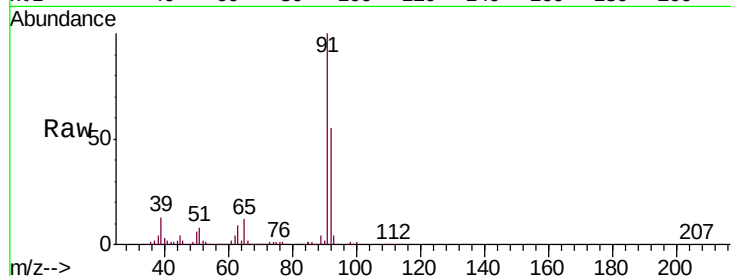
MDL01

Tgt Ion: 91 Resp: 102051

Ion Ratio Lower Upper

91 100

92 54.8 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 2.323 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014982.D

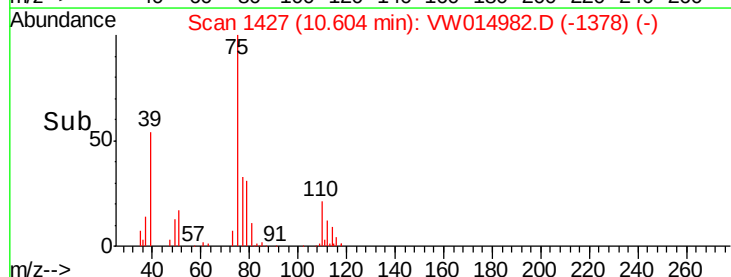
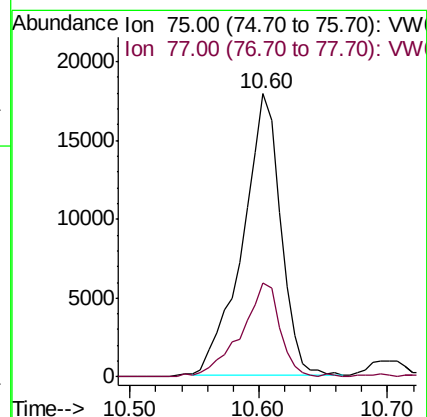
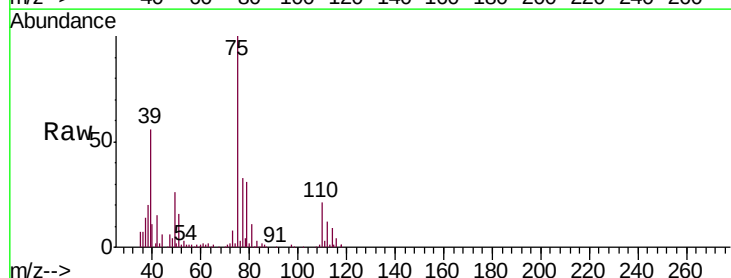
Acq: 13 Feb 2020 16:03

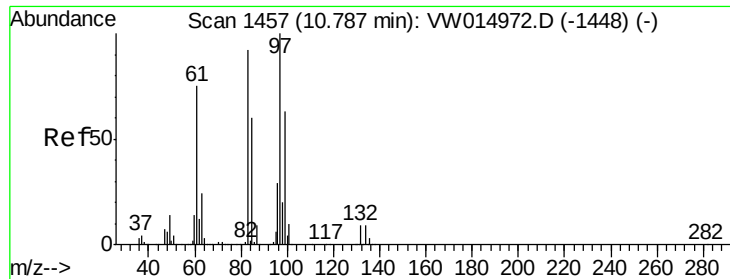
Tgt Ion: 75 Resp: 36441

Ion Ratio Lower Upper

75 100

77 33.3 22.7 42.1

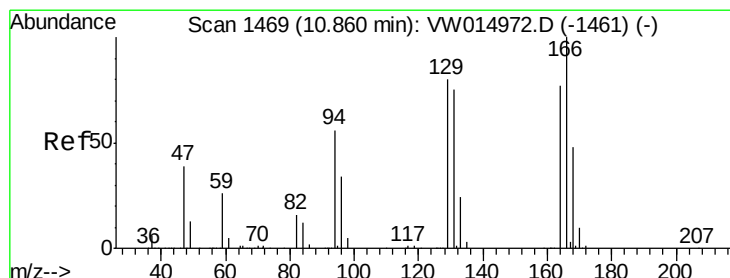
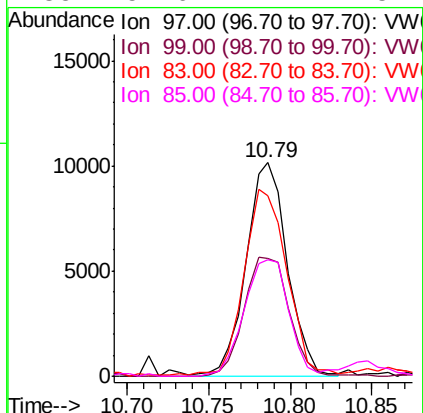
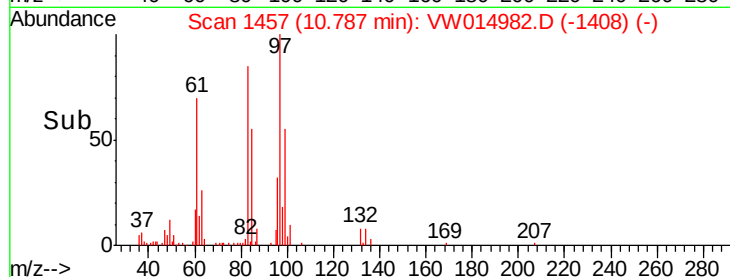
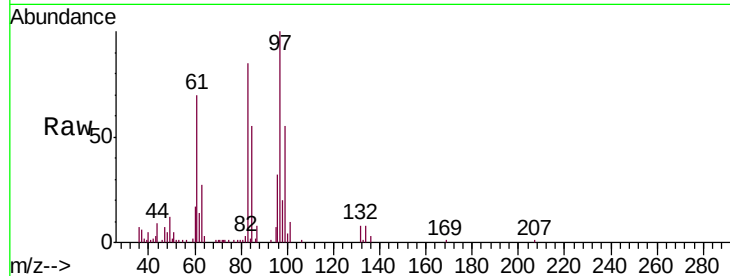




#45
 1,1,2-Trichloroethane
 Concen: 2.095 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

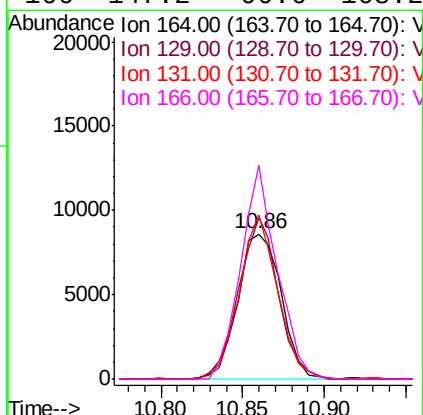
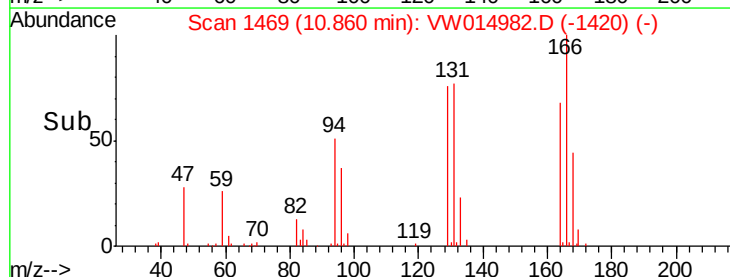
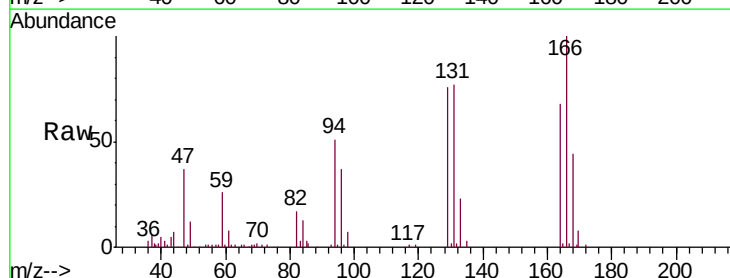
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

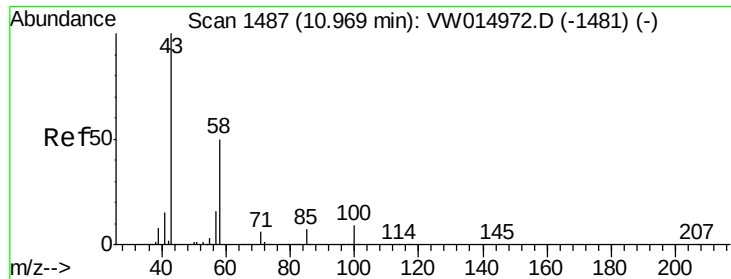
Tgt Ion:	97	Resp:	17956
Ion	Ratio	Lower	Upper
97	100		
99	55.3	44.2	82.0
83	84.7	64.1	119.1
85	54.6	42.1	78.1



#46
 Tetrachloroethene
 Concen: 2.036 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion:	164	Resp:	16018
Ion	Ratio	Lower	Upper
164	100		
129	111.4	72.2	134.2
131	113.3	68.1	126.5
166	147.2	90.6	168.2

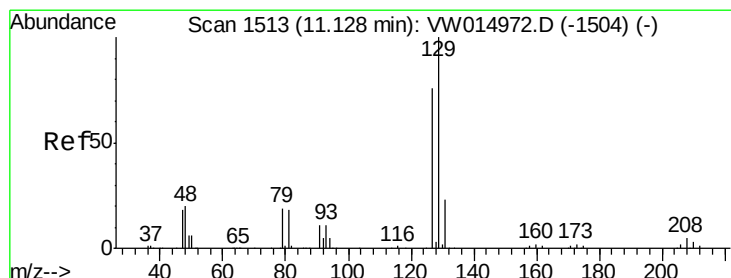
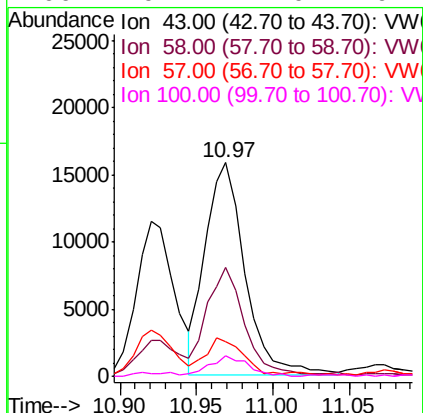
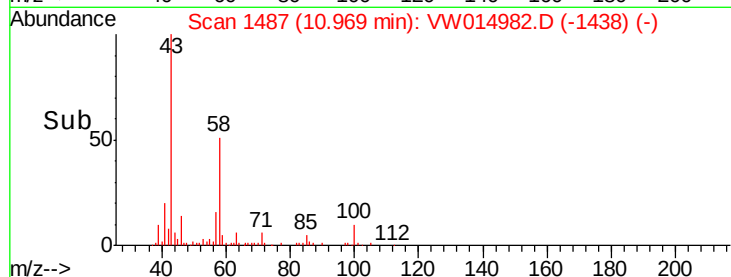
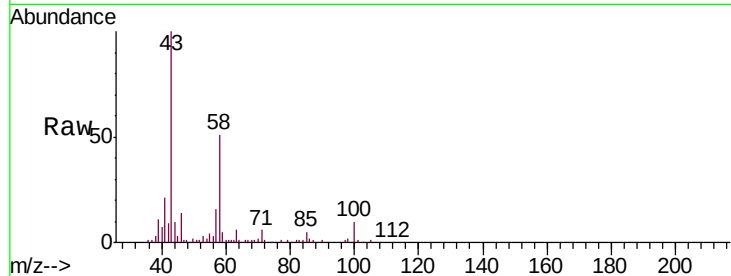




#48
2-Hexanone
Concen: 3.918 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

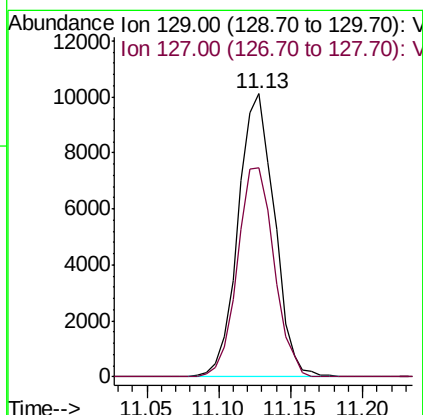
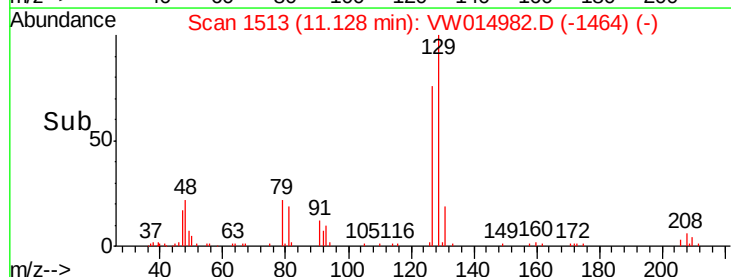
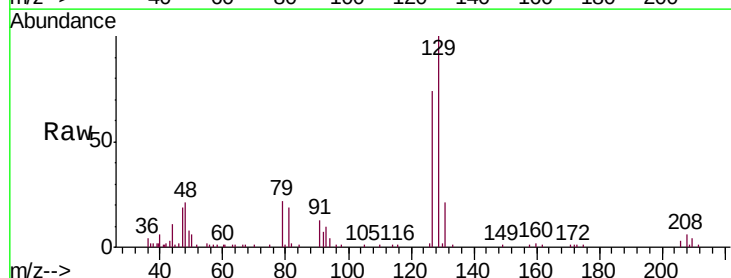
Instrument :
MSVOA_W
ClientSampleId :
MDL01

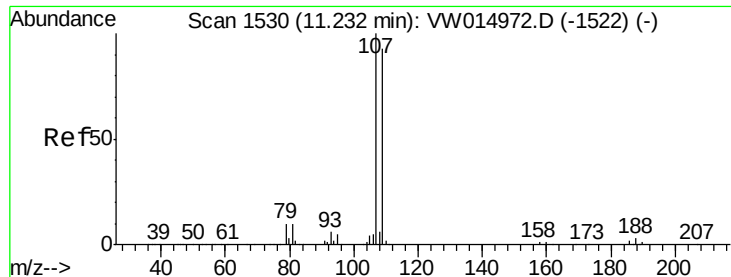
Tgt Ion:	43	Resp:	28721
Ion	Ratio	Lower	Upper
43	100		
58	48.7	39.2	58.8
57	15.4	13.1	19.7
100	9.1	7.0	10.4



#49
Dibromochloromethane
Concen: 1.979 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion:	129	Resp:	17674
Ion	Ratio	Lower	Upper
129	100		
127	74.0	53.0	98.4

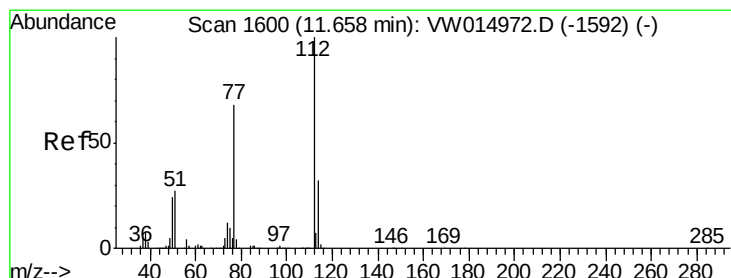
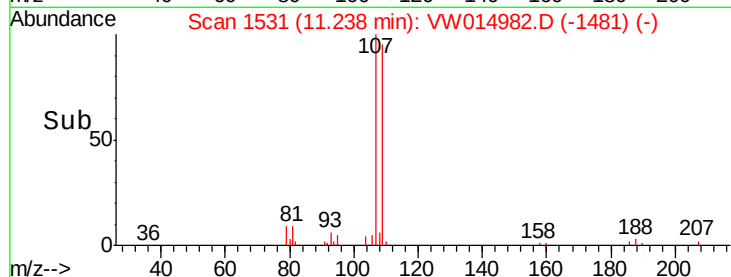
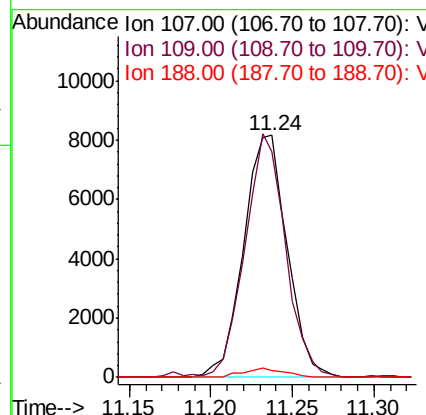
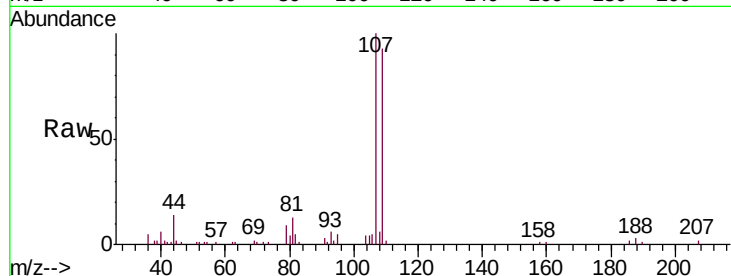




#50
1,2-Dibromoethane
Concen: 1.955 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

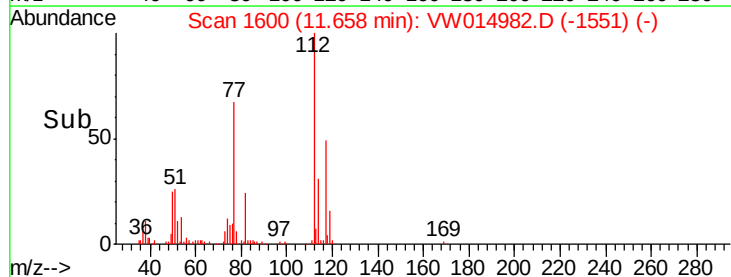
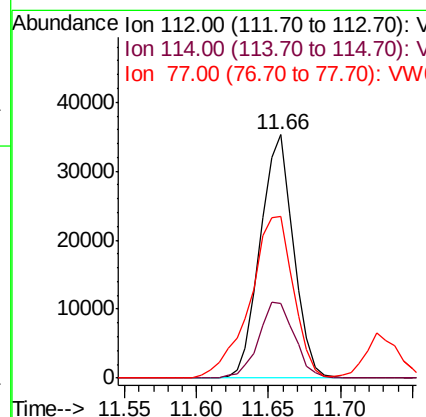
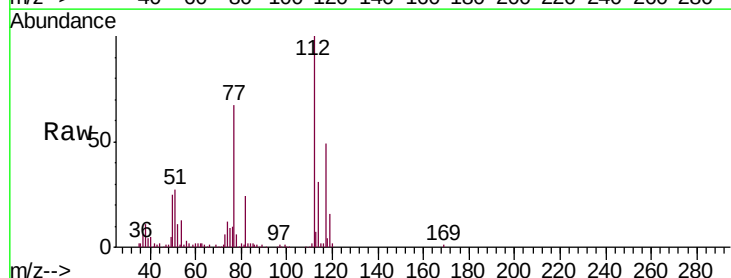
Instrument :
MSVOA_W
ClientSampled :
MDL01

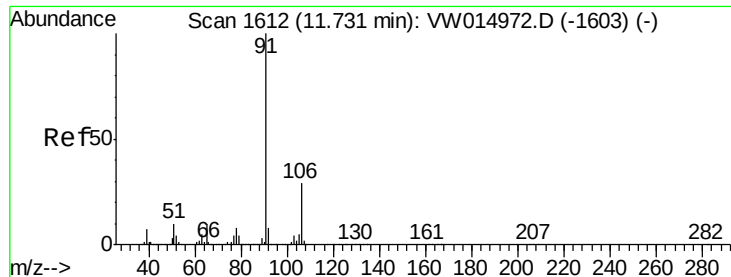
Tgt Ion:107 Resp: 15111
Ion Ratio Lower Upper
107 100
109 93.2 65.1 120.9
188 3.0 2.4 3.6



#51
Chlorobenzene
Concen: 1.952 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion:112 Resp: 56285
Ion Ratio Lower Upper
112 100
114 30.6 22.6 42.0
77 66.5 54.6 82.0





#52

Ethylbenzene

Concen: 1.819 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampleId :

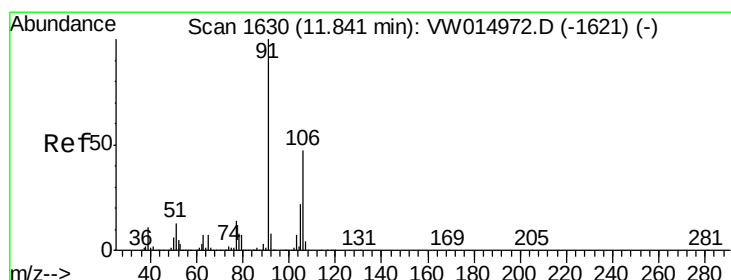
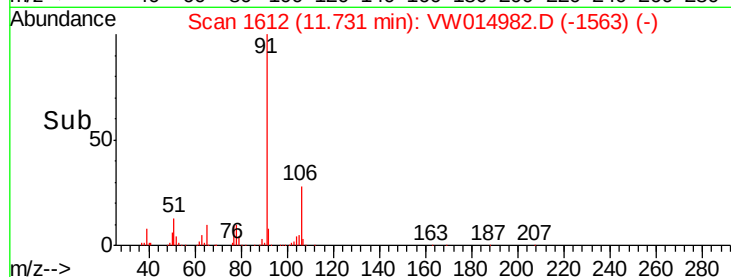
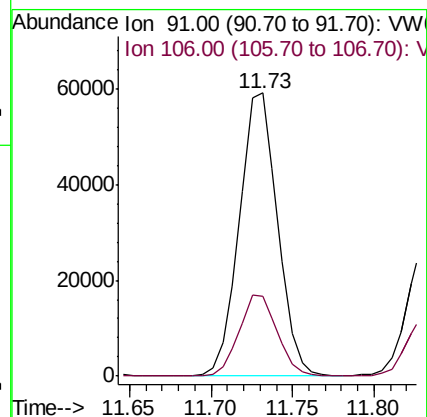
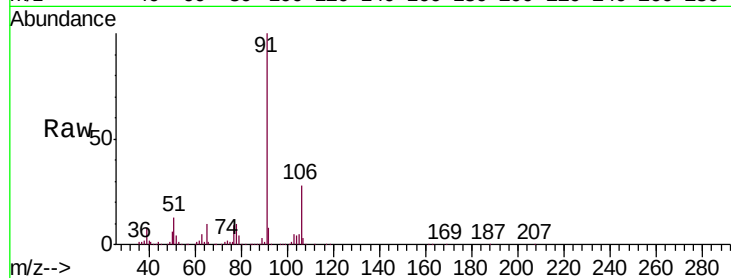
MDL01

Tgt Ion: 91 Resp: 96859

Ion Ratio Lower Upper

91 100

106 28.4 20.2 37.4



#53

m,p-Xylene

Concen: 1.730 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW014982.D

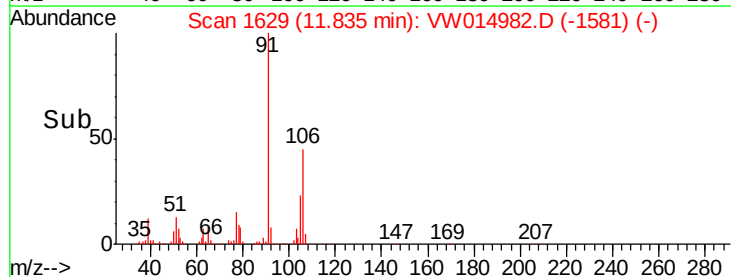
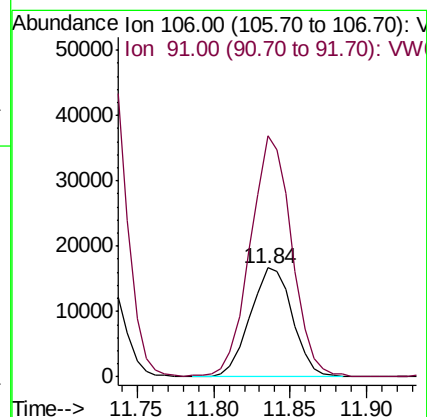
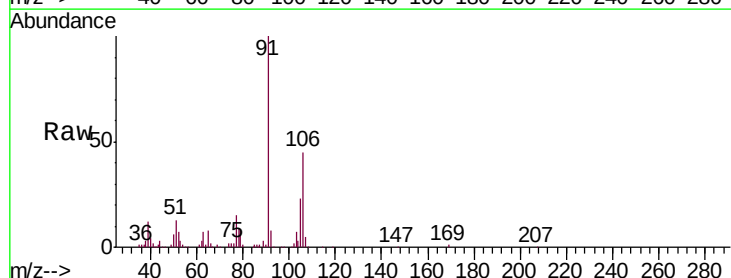
Acq: 13 Feb 2020 16:03

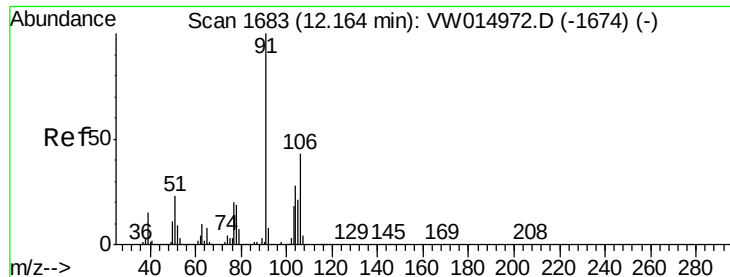
Tgt Ion: 106 Resp: 32327

Ion Ratio Lower Upper

106 100

91 220.8 149.2 277.2

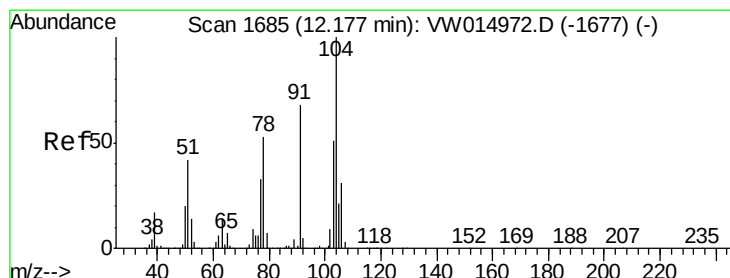
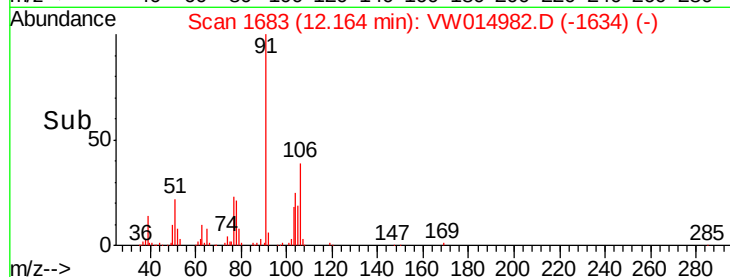
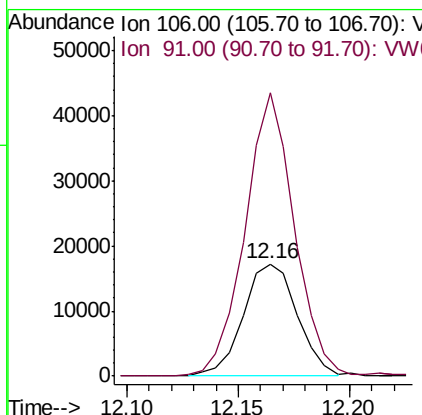
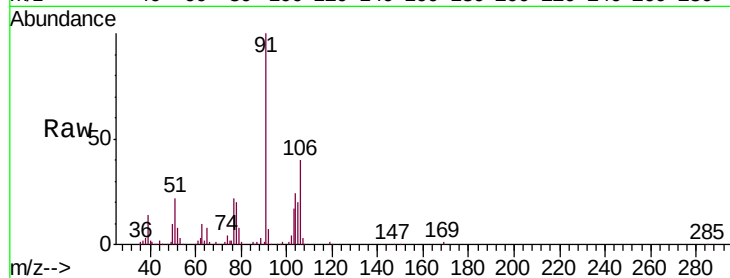




#54
o-Xylene
Concen: 1.654 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

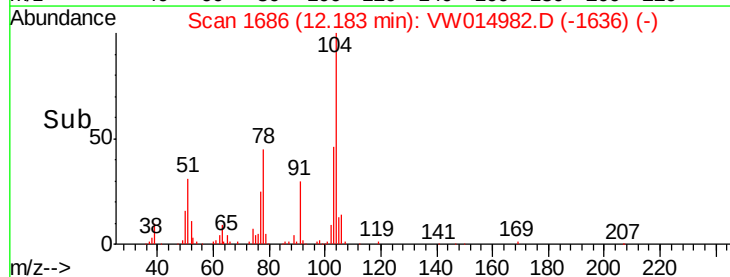
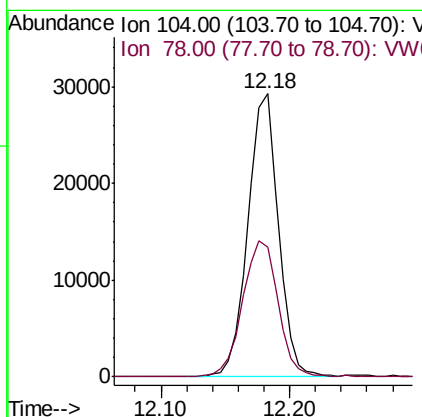
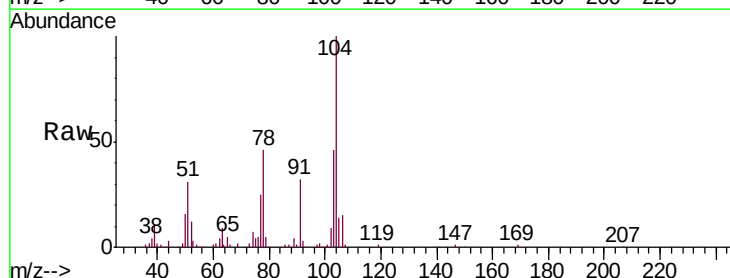
Instrument :
MSVOA_W
ClientSampled :
MDL01

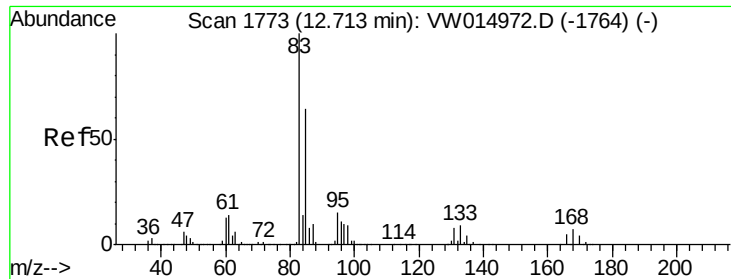
Tgt Ion:106 Resp: 29016
Ion Ratio Lower Upper
106 100
91 252.2 163.7 304.1



#55
Styrene
Concen: 1.579 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion:104 Resp: 47771
Ion Ratio Lower Upper
104 100
78 45.7 36.8 68.4





#57

1,1,2,2-Tetrachloroethane

Concen: 2.071 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

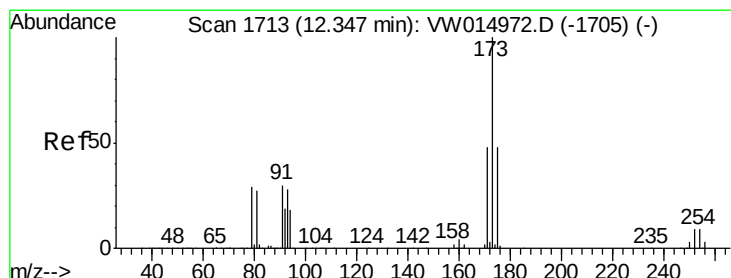
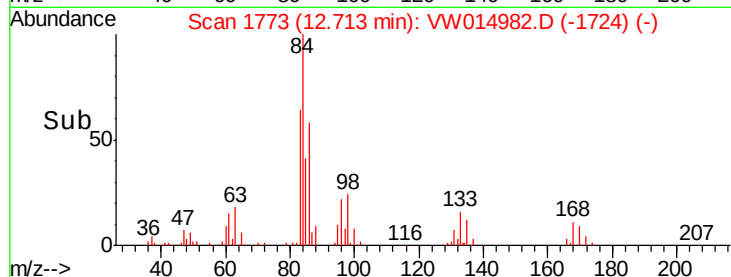
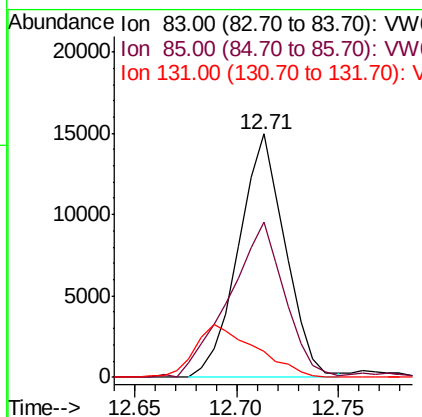
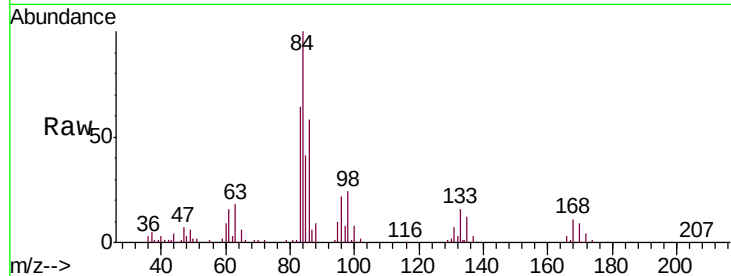
Instrument :

MSVOA_W

ClientSampleId :

MDL01

Tgt Ion:	83	Resp:	23757
Ion	Ratio	Lower	Upper
83	100		
85	63.8	44.9	83.5
131	10.8	6.2	9.2#



#59

Bromoform

Concen: 1.989 ug/L

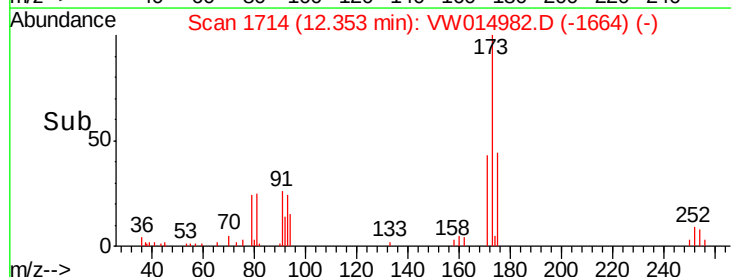
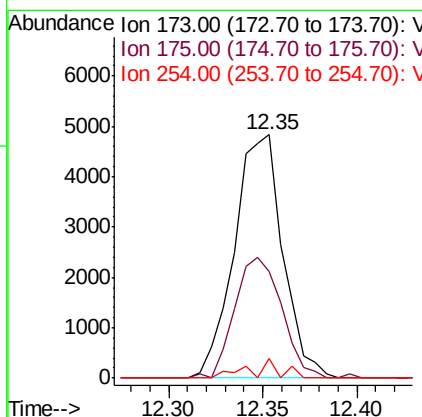
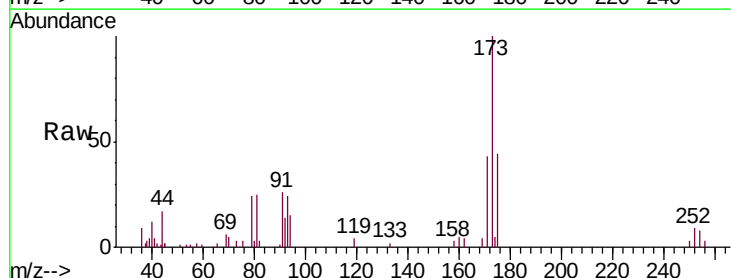
RT: 12.35 min Scan# 1714

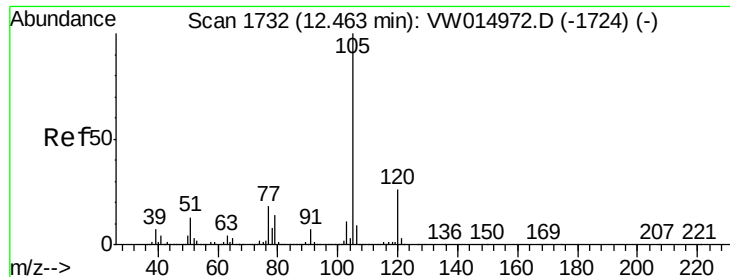
Delta R.T. 0.01 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Tgt Ion:	173	Resp:	8634
Ion	Ratio	Lower	Upper
173	100		
175	47.8	39.0	58.4
254	1.7	7.1	10.7#





#60

Isopropylbenzene

Concen: 1.709 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampled :

MDL01

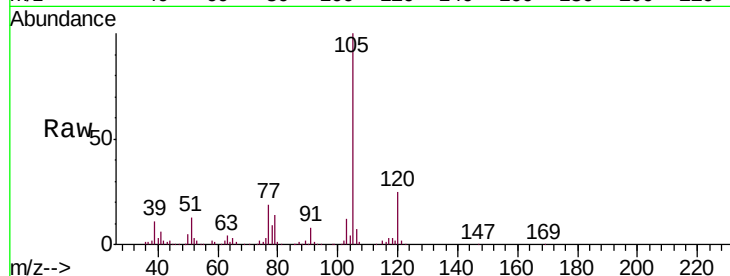
Tgt Ion: 105 Resp: 75934

Ion Ratio Lower Upper

105 100

120 25.1 20.1 30.1

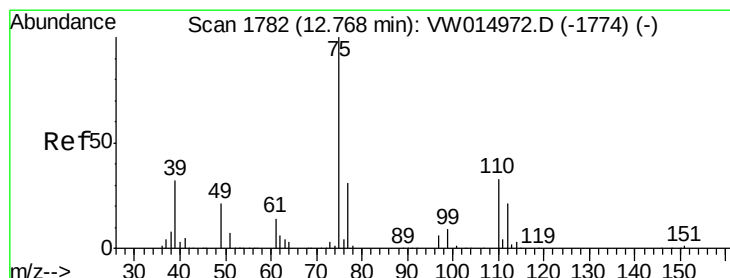
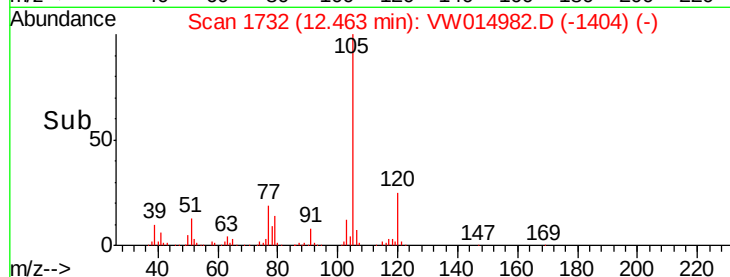
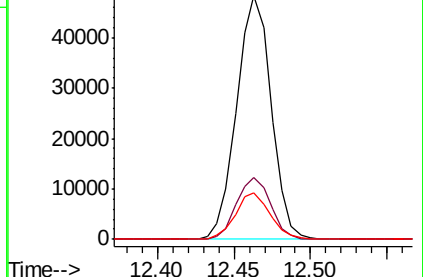
77 19.4 14.4 21.6



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: 2.168 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

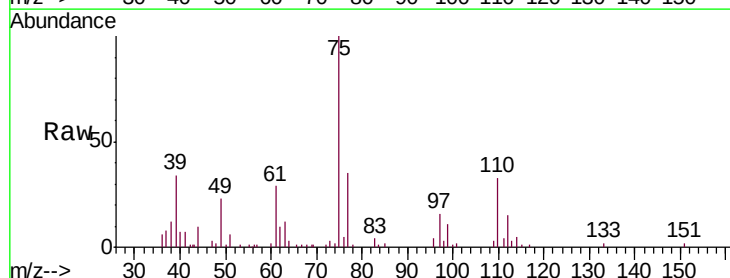
Tgt Ion: 75 Resp: 18037

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6

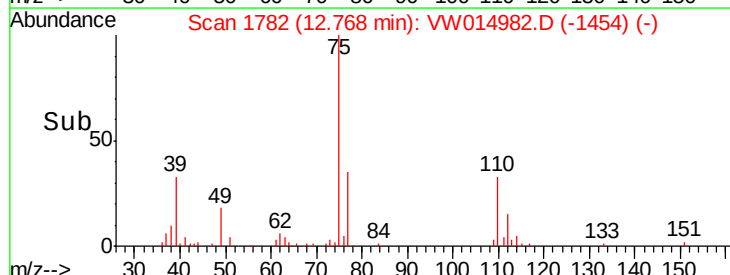
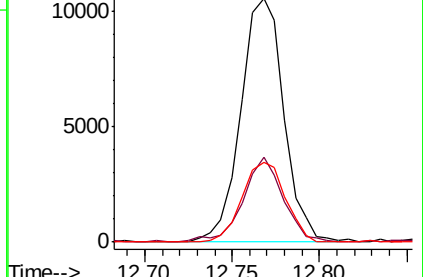
110 33.0 26.6 39.8

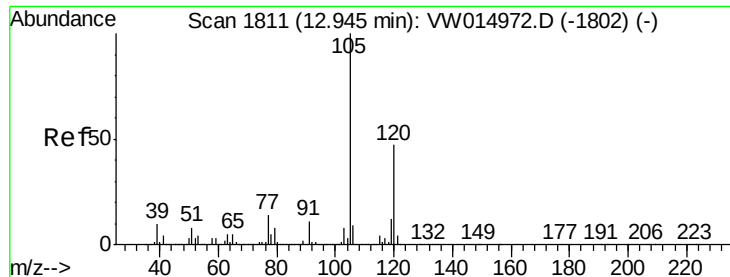


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V





#62

1,3,5-Trimethylbenzene

Concen: 1.666 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW014982.D

Acq: 13 Feb 2020 16:03

Instrument :

MSVOA_W

ClientSampled :

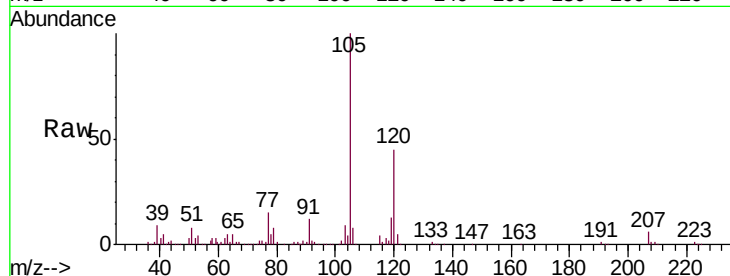
MDL01

Tgt Ion:105 Resp: 59028

Ion Ratio Lower Upper

105 100

120 43.7 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.94

40000

30000

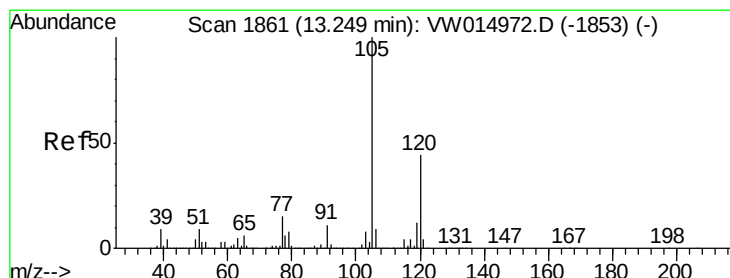
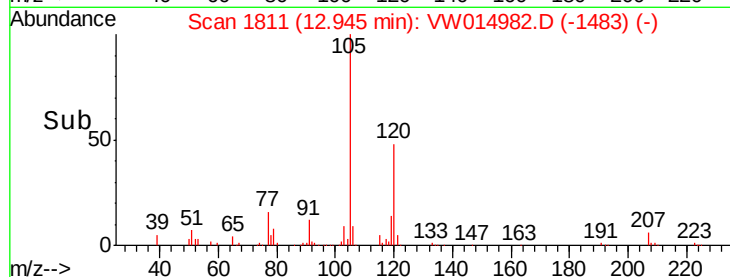
20000

10000

0

Time-->

12.90 12.95 13.00



#63

1,2,4-Trimethylbenzene

Concen: 1.540 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW014982.D

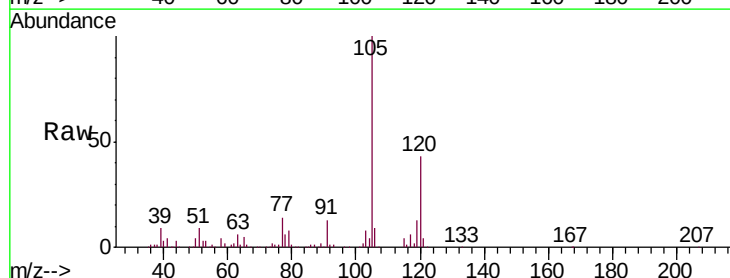
Acq: 13 Feb 2020 16:03

Tgt Ion:105 Resp: 53394

Ion Ratio Lower Upper

105 100

120 45.0 35.0 52.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.25

40000

30000

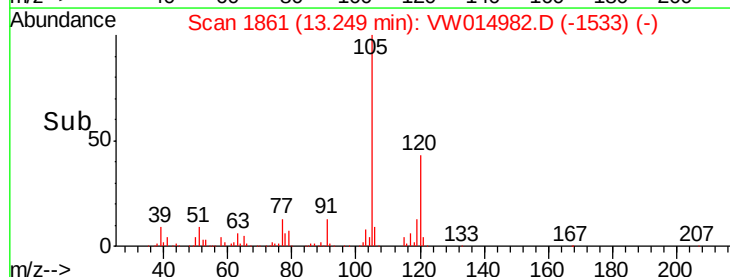
20000

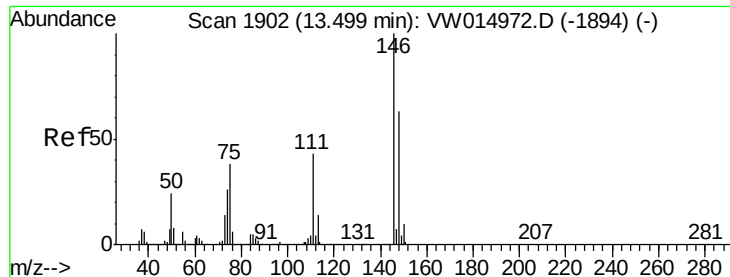
10000

0

Time-->

13.20 13.25 13.30

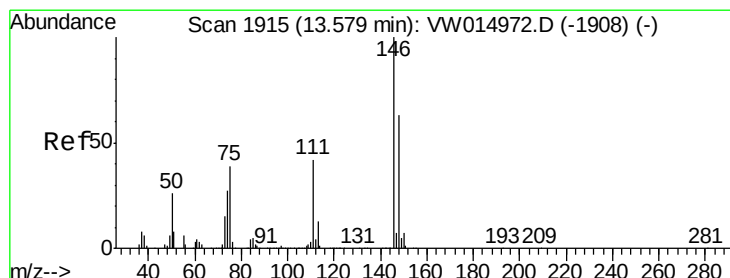
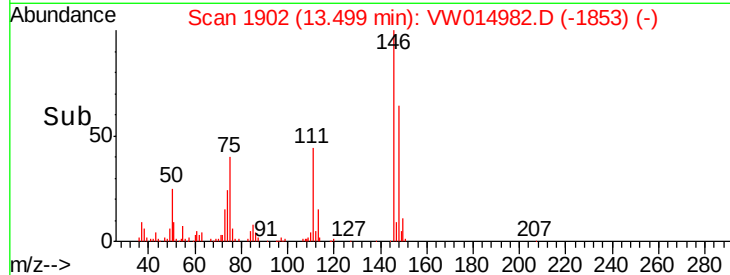
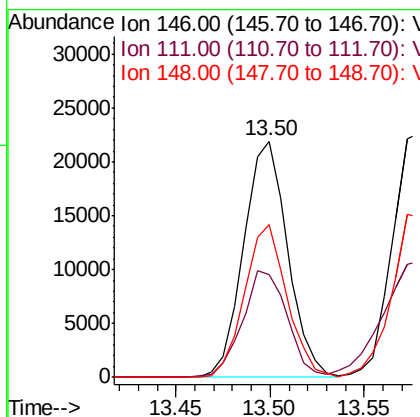
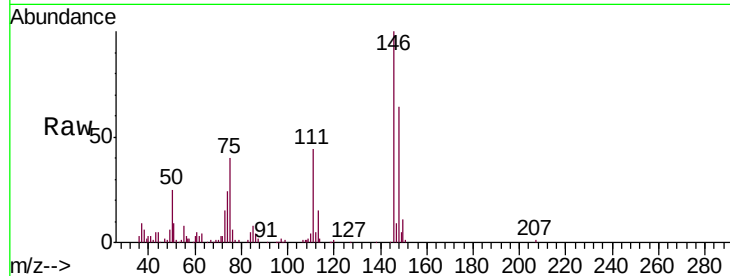




#64
 1,3-Dichlorobenzene
 Concen: 1.939 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

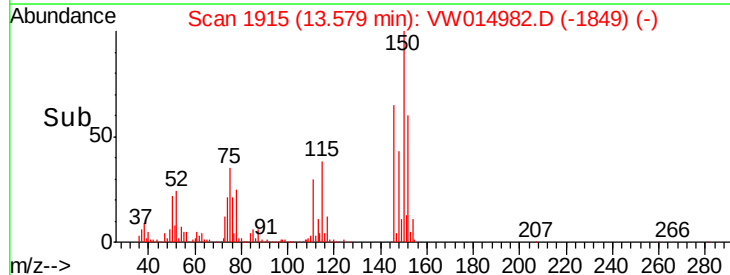
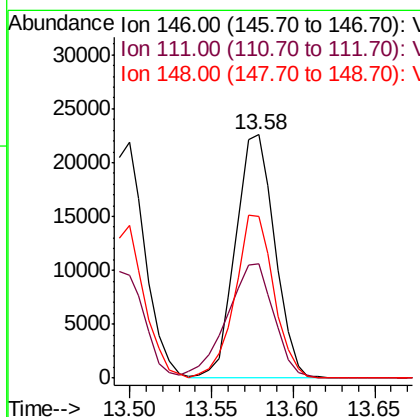
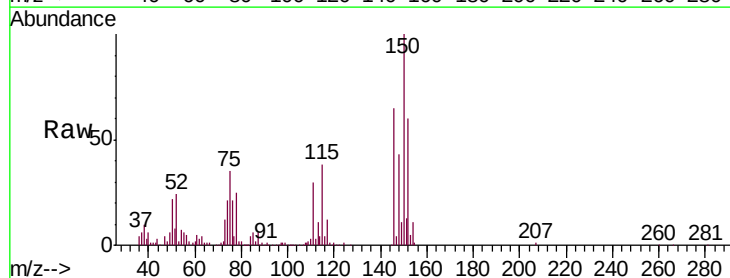
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

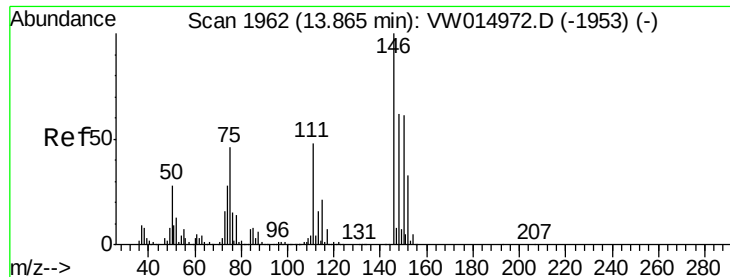
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	30.2	56.0
148	64.4	44.2	82.2



#65
 1,4-Dichlorobenzene
 Concen: 2.011 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.0	29.5	54.9
148	66.5	43.8	81.3

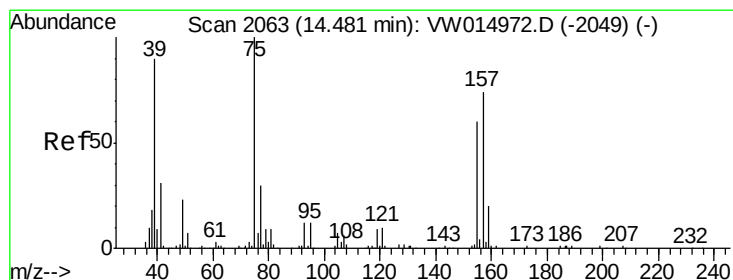
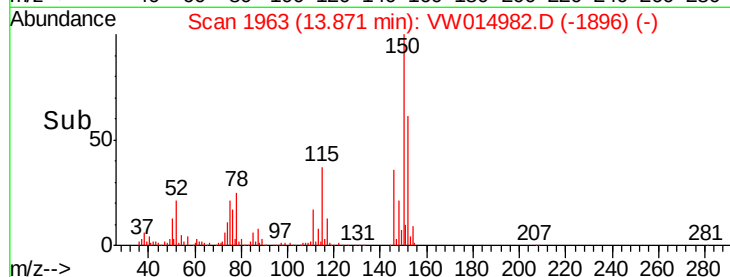
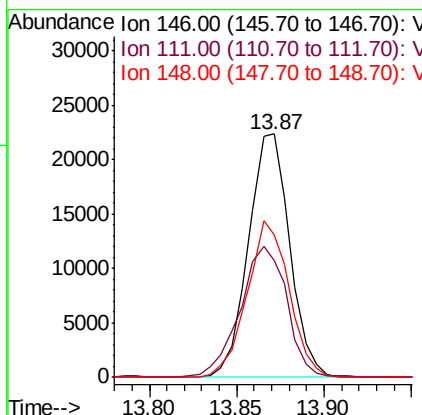
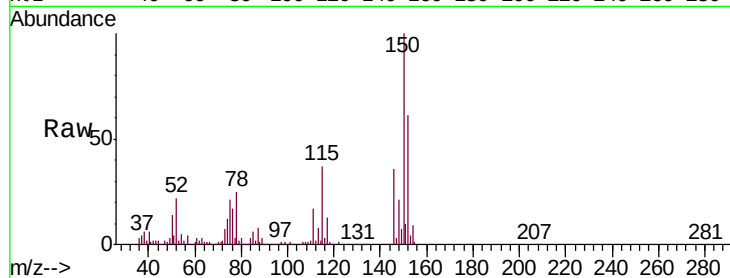




#67
 1,2-Dichlorobenzene
 Concen: 2.180 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

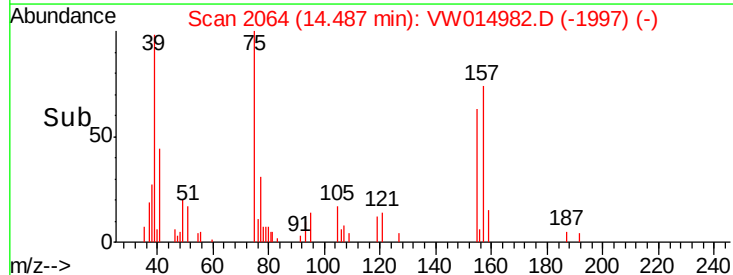
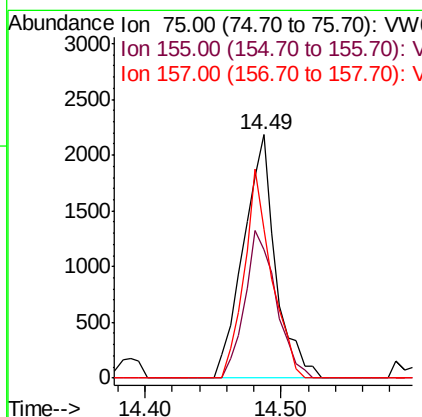
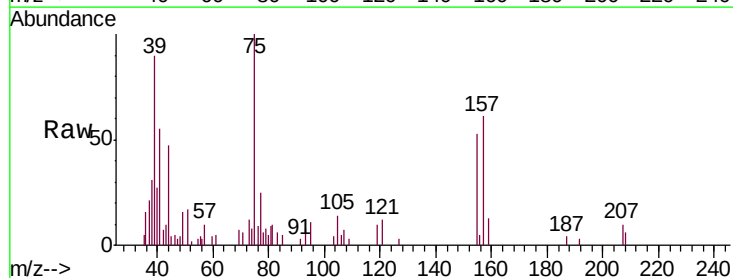
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

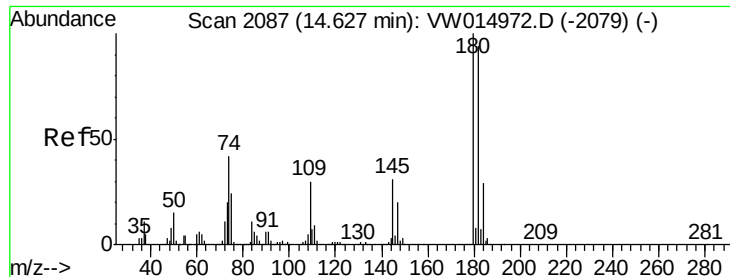
Tgt Ion: 146 Resp: 36963
 Ion Ratio Lower Upper
 146 100
 111 47.8 38.0 57.0
 148 58.4 49.5 74.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.072 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion: 75 Resp: 3605
 Ion Ratio Lower Upper
 75 100
 155 52.5 48.0 72.0
 157 61.1 59.4 89.0

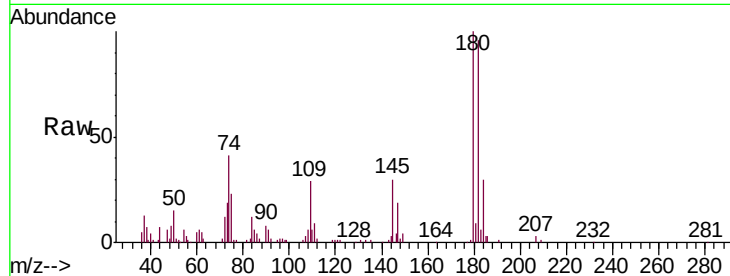




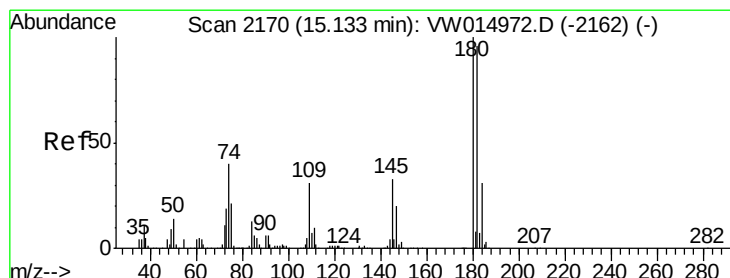
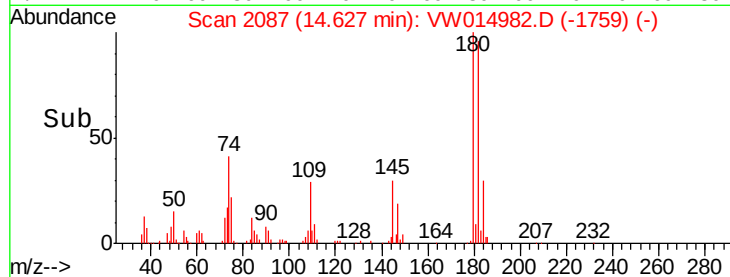
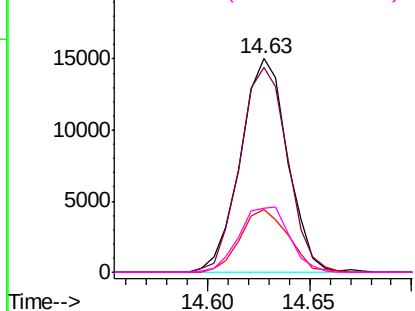
#69
 1,3,5-Trichlorobenzene
 Concen: 1.962 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tgt Ion:180 Resp: 24093
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.5 114.7
 184 29.8 24.2 36.2
 145 33.0 25.0 37.6

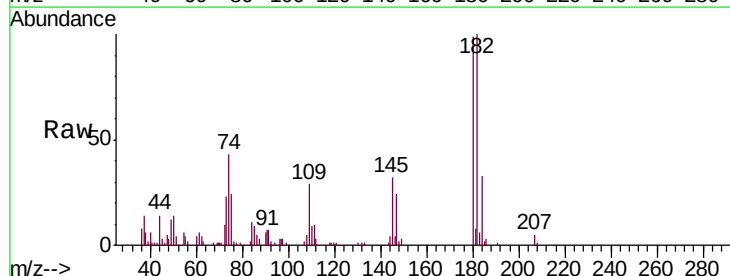


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

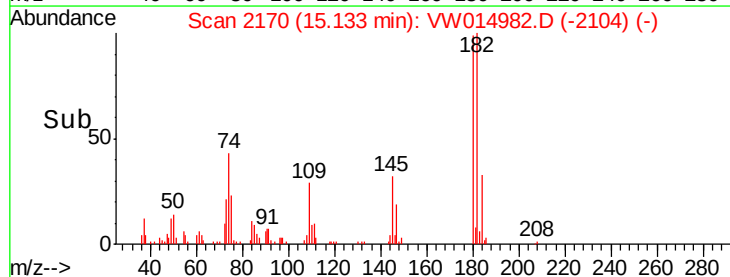
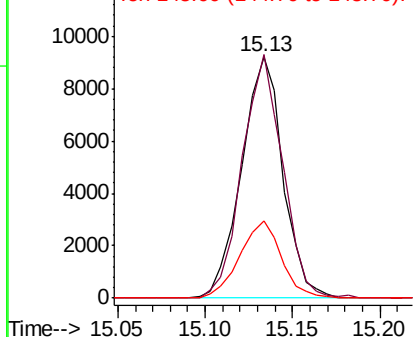


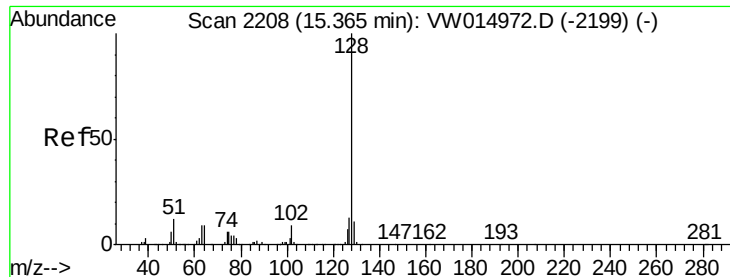
#70
 1,2,4-trichlorobenzene
 Concen: 1.650 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014982.D
 Acq: 13 Feb 2020 16:03

Tgt Ion:180 Resp: 15184
 Ion Ratio Lower Upper
 180 100
 182 97.8 76.2 114.4
 145 32.0 26.2 39.4



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

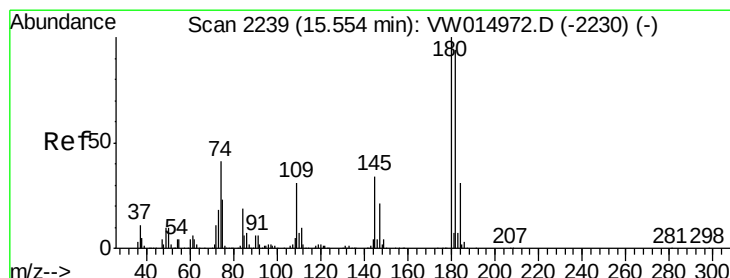
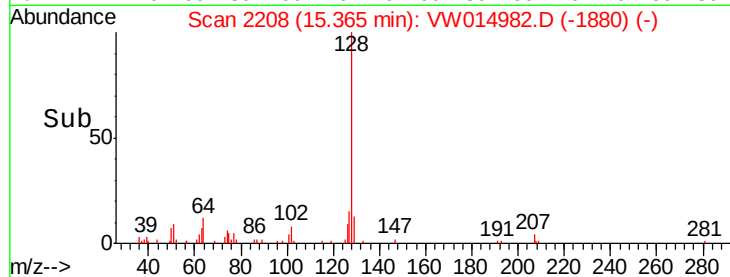
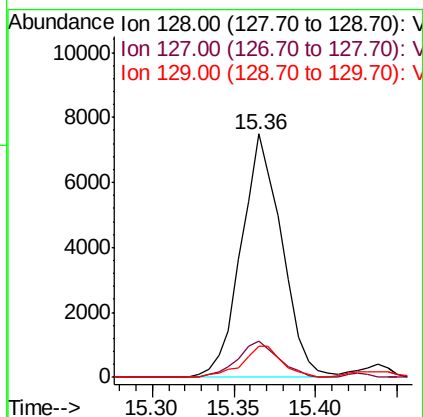
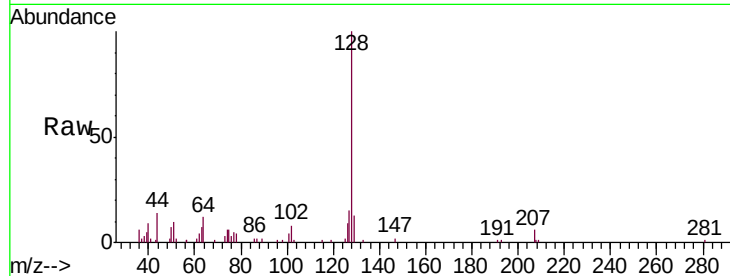




#71
Naphthalene
Concen: 1.371 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tgt Ion:128 Resp: 12961
Ion Ratio Lower Upper
128 100
127 15.0 10.5 15.7
129 12.5 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 1.692 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014982.D
Acq: 13 Feb 2020 16:03

Tgt Ion:180 Resp: 14434
Ion Ratio Lower Upper
180 100
182 98.1 75.2 112.8
145 36.4 27.0 40.6

