

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019223.D
 Acq On : 03 Nov 2020 02:04
 Operator : SY/MD
 Sample : L4485-08
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-WATER-01

Quant Time: Nov 03 05:31:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 05:28:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	232975	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	221785	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	111944	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87358	48.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.18%
7) Chloroethane-d5	1.58	69	75232	53.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.12	63	136357	40.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.92%
21) 2-Butanone-d5	3.90	46	110773	111.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.73%
24) Chloroform-d	4.38	84	166932	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.22%
26) 1,2-Dichloroethane-d4	5.05	65	121973	52.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.04%
32) Benzene-d6	5.07	84	314934	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
36) 1,2-Dichloropropane-d6	6.09	67	97380	53.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.52%
41) Toluene-d8	7.34	98	284781	49.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.84%
43) trans-1,3-Dichloropropene-	7.64	79	52480	50.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.38%
47) 2-Hexanone-d5	8.11	63	73200	103.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.12%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	120941	49.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.28%
66) 1,2-Dichlorobenzene-d4	11.65	152	119957	53.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	3992	2.797	ug/L	96
3) Chloromethane	1.25	50	4295	2.890	ug/L	98
5) Vinyl chloride	1.32	62	4392	2.839	ug/L #	61
6) Bromomethane	1.53	94	3093	2.975	ug/L	96
8) Chloroethane	1.60	64	3173	3.136	ug/L	93
9) Trichlorofluoromethane	1.77	101	6560	2.561	ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4365	3.587	ug/L #	78
12) 1,1-Dichloroethene	2.13	96	4473	3.556	ug/L #	1
13) Acetone	2.19	43	3908	5.184	ug/L	66
14) Carbon disulfide	2.32	76	9513	2.634	ug/L	99
15) Methyl Acetate	2.46	43	3951	2.705	ug/L	92
16) Methylene chloride	2.53	84	4176	2.793	ug/L	87
17) trans-1,2-Dichloroethene	2.78	96	3644	2.671	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	12696	2.647	ug/L	99
19) 1,1-Dichloroethane	3.22	63	6961	2.604	ug/L	95
20) cis-1,2-Dichloroethene	3.95	96	4019	2.665	ug/L	93
23) Bromochloromethane	4.29	128	2150	2.590	ug/L	97

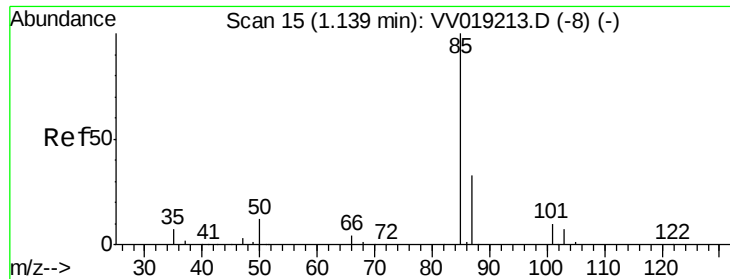
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019223.D
 Acq On : 03 Nov 2020 02:04
 Operator : SY/MD
 Sample : L4485-08
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

Quant Time: Nov 03 05:31:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 05:28:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.41	83	8490	2.962	ug/L	92
27) 1,2-Dichloroethane	5.16	62	6872	2.821	ug/L	98
29) Cyclohexane	4.71	56	4233	2.230	ug/L	93
30) 1,1,1-Trichloroethane	4.64	97	6703	2.606	ug/L	96
31) Carbon tetrachloride	4.86	117	5673	2.554	ug/L	89
33) Benzene	5.13	78	15189	2.756	ug/L	100
34) Trichloroethene	5.94	95	4003	2.672	ug/L	95
35) Methylcyclohexane	6.15	83	4251	2.345	ug/L	96
37) 1,2-Dichloropropane	6.20	63	3851	2.618	ug/L #	89
38) Bromodichloromethane	6.54	83	5201	2.457	ug/L	85
39) cis-1,3-Dichloropropene	7.05	75	5094	2.164	ug/L	91
40) 4-Methyl-2-pentanone	7.25	43	9623	4.870	ug/L	96
42) Toluene	7.41	91	17489	2.936	ug/L	96
44) trans-1,3-Dichloropropene	7.68	75	5235	2.170	ug/L	95
45) 1,1,2-Trichloroethane	7.86	97	4055	2.789	ug/L	94
46) Tetrachloroethene	8.00	164	3130	2.561	ug/L	94
48) 2-Hexanone	8.16	43	8049	5.388	ug/L #	92
49) Dibromochloromethane	8.27	129	4295	2.477	ug/L	96
50) 1,2-Dibromoethane	8.38	107	3949	2.620	ug/L #	92
51) Chlorobenzene	8.90	112	10672	2.678	ug/L	95
52) Ethylbenzene	9.04	91	15784	2.401	ug/L	98
53) m,p-Xylene	9.16	106	5943	2.415	ug/L	89
54) o-Xylene	9.57	106	5706	2.352	ug/L	90
55) Styrene	9.59	104	8979	2.080	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.26	83	5820	2.646	ug/L #	98
59) Bromoform	9.75	173	3264	2.627	ug/L #	97
60) Isopropylbenzene	9.95	105	14627	2.493	ug/L	98
61) 1,2,3-Trichloropropane	10.30	75	5083	2.923	ug/L	94
62) 1,3,5-Trimethylbenzene	10.56	105	10929	2.237	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	10345	2.164	ug/L	98
64) 1,3-Dichlorobenzene	11.21	146	8146	2.654	ug/L	96
65) 1,4-Dichlorobenzene	11.29	146	8966	2.824	ug/L	95
67) 1,2-Dichlorobenzene	11.67	146	8830	2.812	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	1280	2.523	ug/L #	91
69) 1,3,5-Trichlorobenzene	13.29	180	4546	2.064	ug/L	98
70) 1,2,4-trichlorobenzene	13.29	180	4546	2.193	ug/L	98
71) Naphthalene	13.53	128	10268	1.757	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	4499	2.190	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.797 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

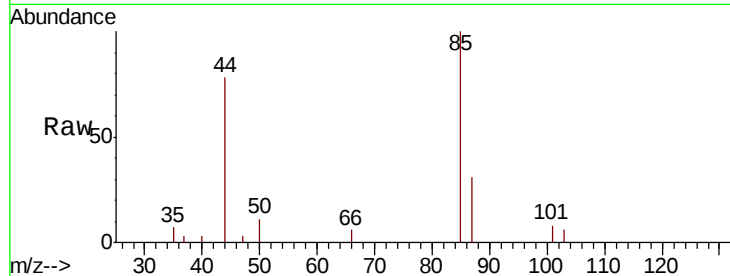
MDL-WATER-01

Tot Ion: 85 Resp: 3992

Ion Ratio Lower Upper

85 100

87 30.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

4000

3000

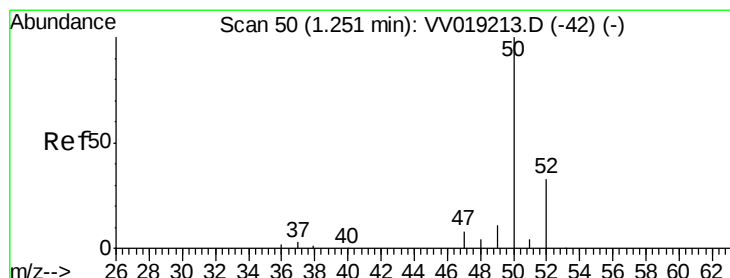
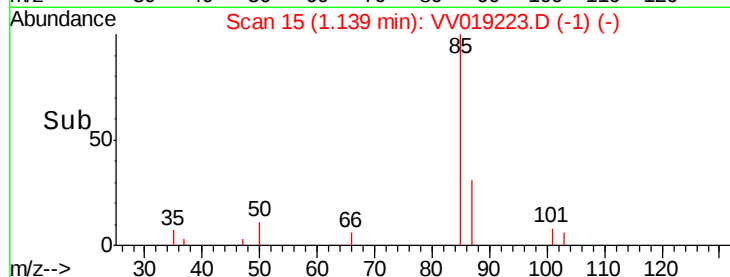
2000

1000

0

Time-->

1.10 1.12 1.14 1.16



#3

Chloromethane

Concen: 2.890 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV019223.D

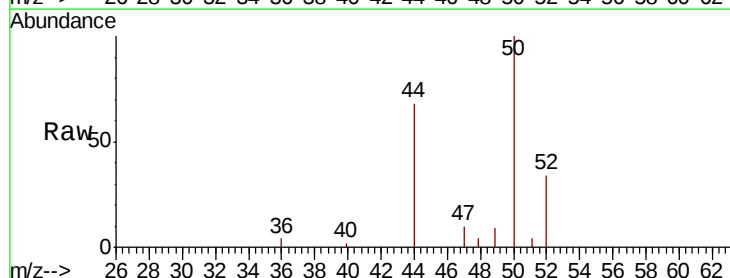
Acq: 03 Nov 2020 02:04

Tgt Ion: 50 Resp: 4295

Ion Ratio Lower Upper

50 100

52 33.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

4000

3000

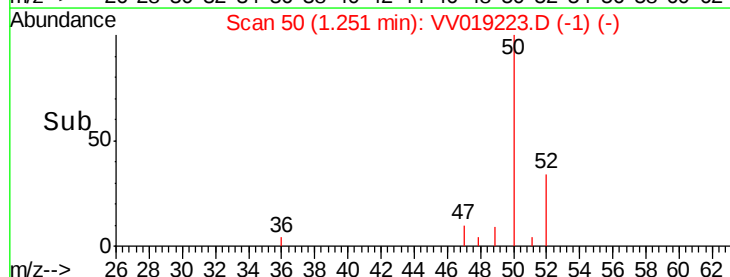
2000

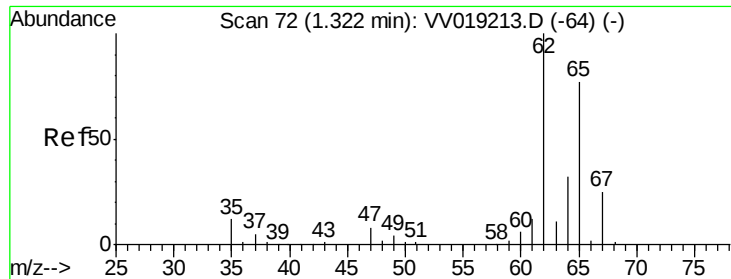
1000

0

Time-->

1.22 1.24 1.26 1.28





#5

Vinyl chloride

Concen: 2.839 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

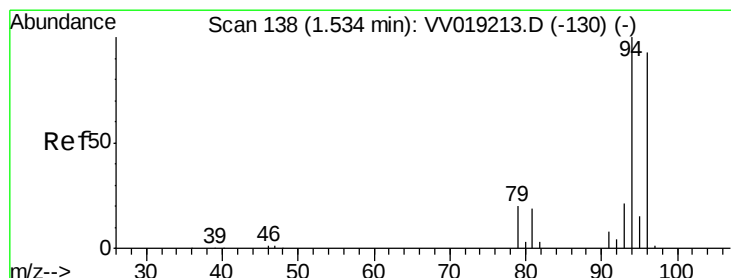
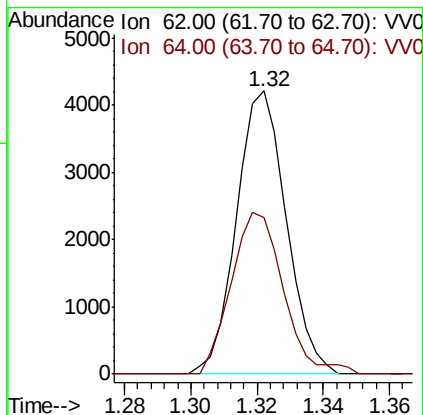
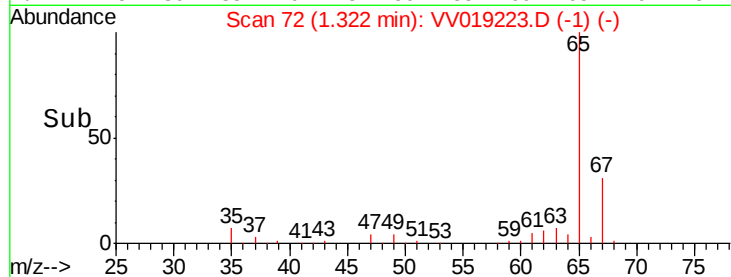
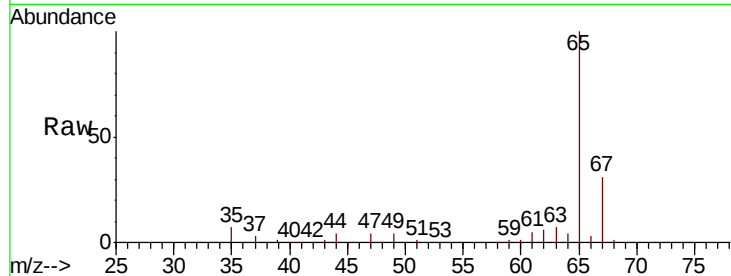
MDL-WATER-01

Tot Ion: 62 Resp: 4392

Ion Ratio Lower Upper

62 100

64 55.5 23.3 43.3#



#6

Bromomethane

Concen: 2.975 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019223.D

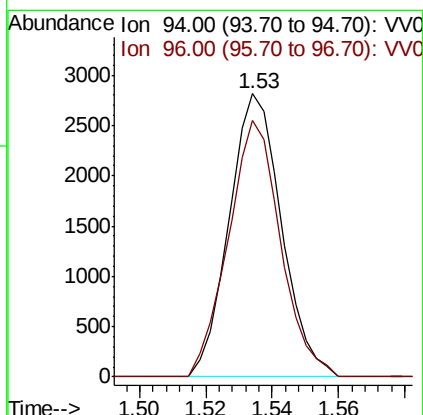
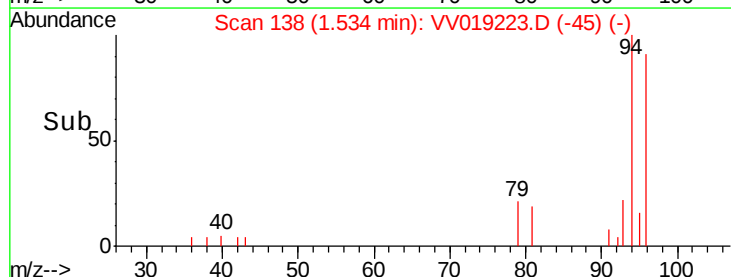
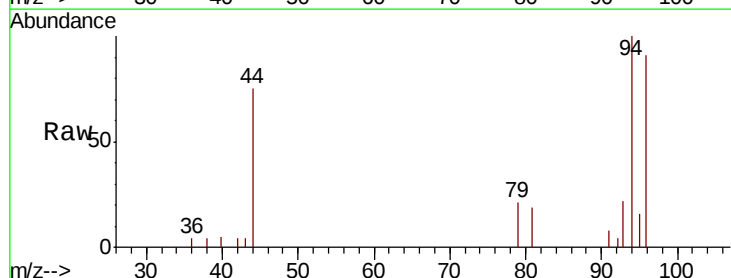
Acq: 03 Nov 2020 02:04

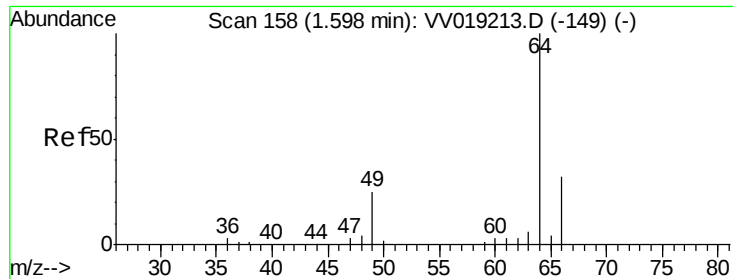
Tgt Ion: 94 Resp: 3093

Ion Ratio Lower Upper

94 100

96 90.8 66.4 123.2

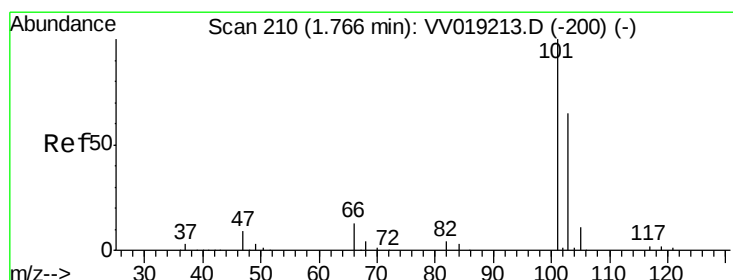
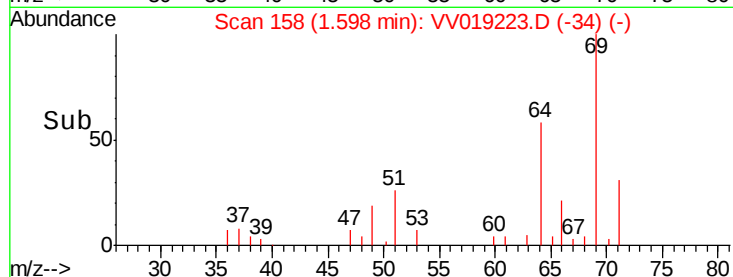
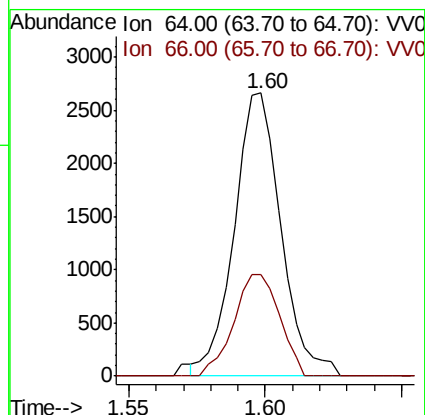
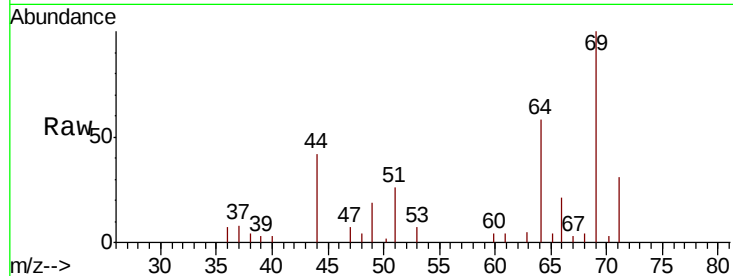




#8
 Chloroethane
 Concen: 3.136 ug/L
 RT: 1.60 min Scan# 158
 Delta R.T. -0.00 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

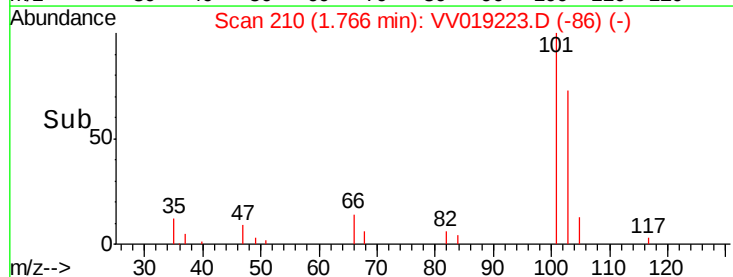
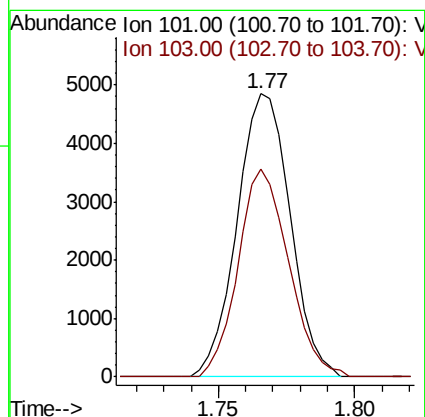
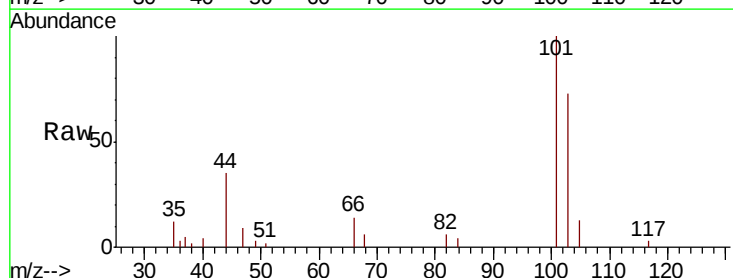
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

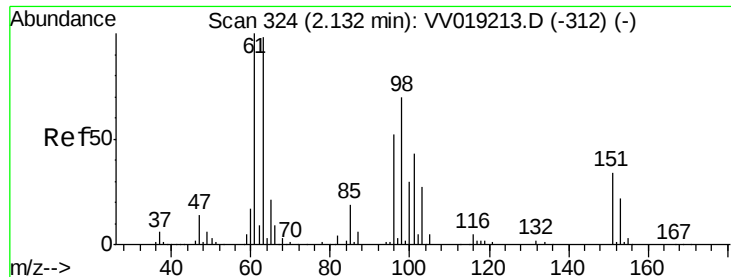
Tot Ion: 64 Resp: 3173
 Ion Ratio Lower Upper
 64 100
 66 35.9 22.5 41.9



#9
 Trichlorofluoromethane
 Concen: 2.561 ug/L
 RT: 1.77 min Scan# 210
 Delta R.T. -0.00 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

Tgt Ion: 101 Resp: 6560
 Ion Ratio Lower Upper
 101 100
 103 69.8 52.3 78.5





#10

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

Concen: 3.587 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

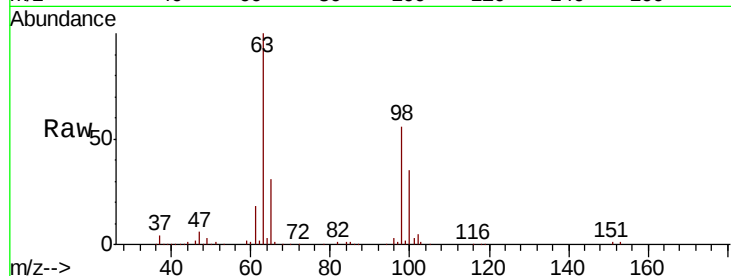
Tot Ion:101 Resp: 4365

Ion Ratio Lower Upper

101 100

85 37.3 35.6 53.4

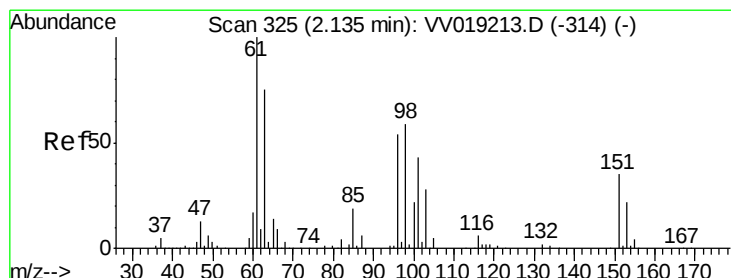
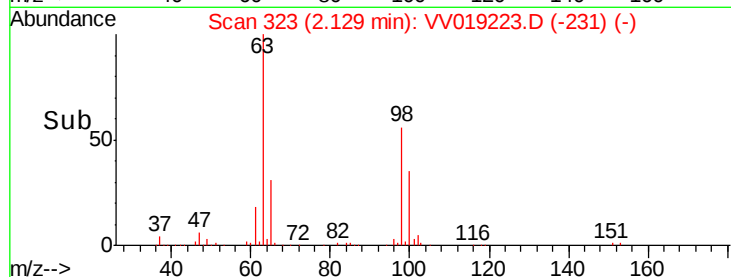
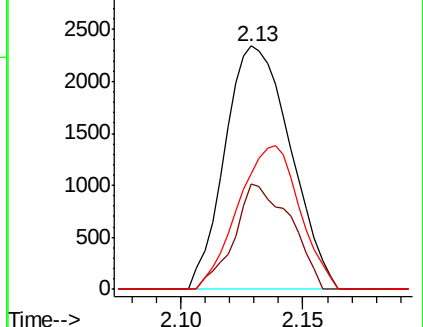
151 55.5 64.1 96.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.556 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

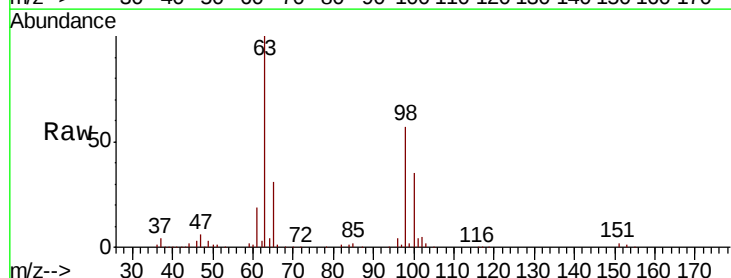
Tgt Ion: 96 Resp: 4473

Ion Ratio Lower Upper

96 100

61 476.6 133.6 248.0#

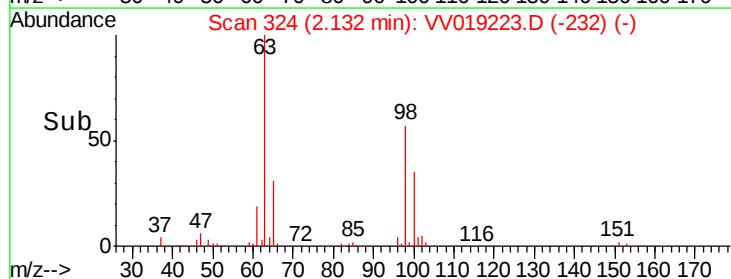
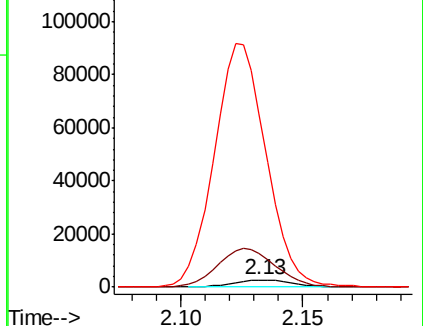
63 2454.9 103.0 191.2#

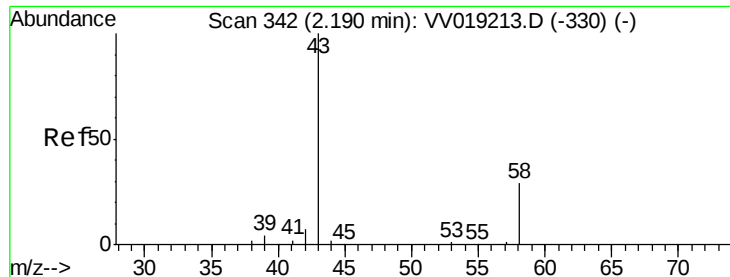


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.184 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

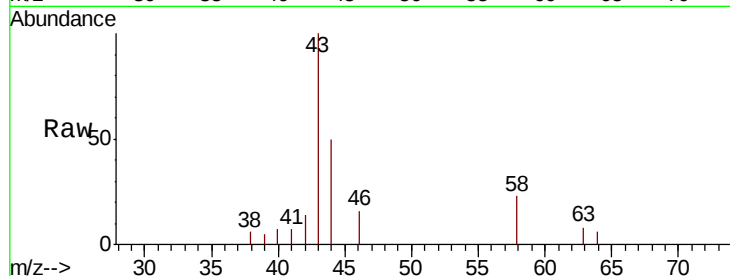
MDL-WATER-01

Tot Ion: 43 Resp: 3908

Ion Ratio Lower Upper

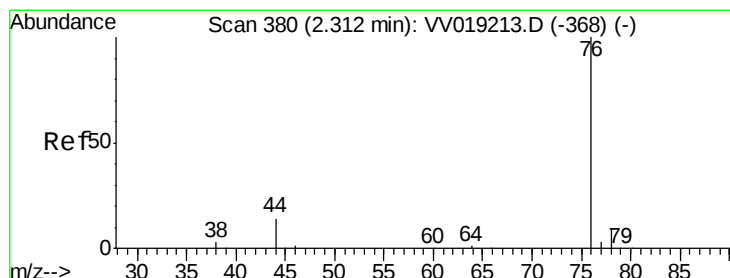
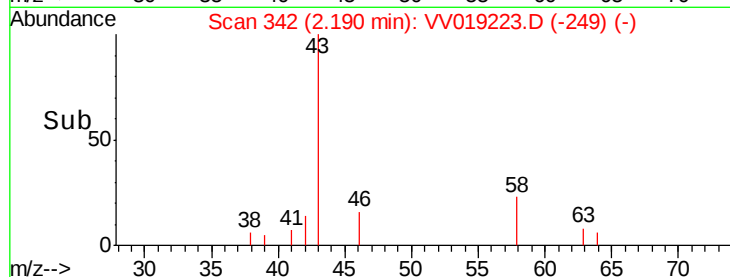
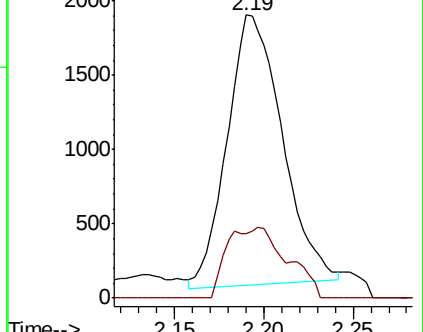
43 100

58 10.6 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV019213.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV019213.D (-330) (-)



#14

Carbon disulfide

Concen: 2.634 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV019223.D

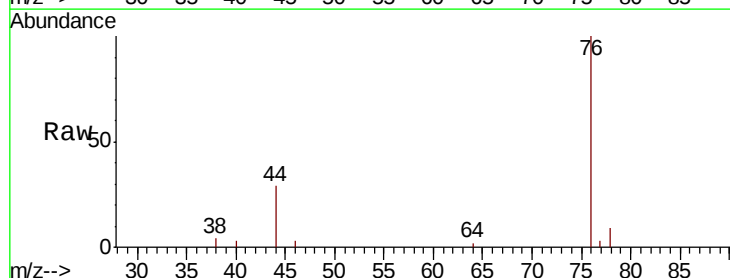
Acq: 03 Nov 2020 02:04

Tgt Ion: 76 Resp: 9513

Ion Ratio Lower Upper

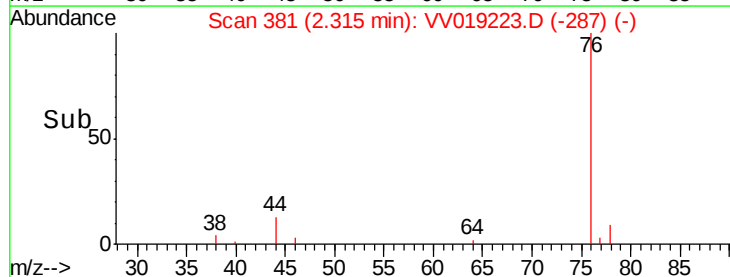
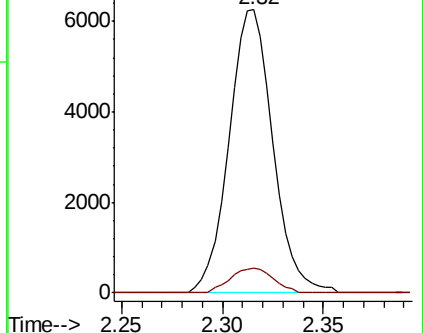
76 100

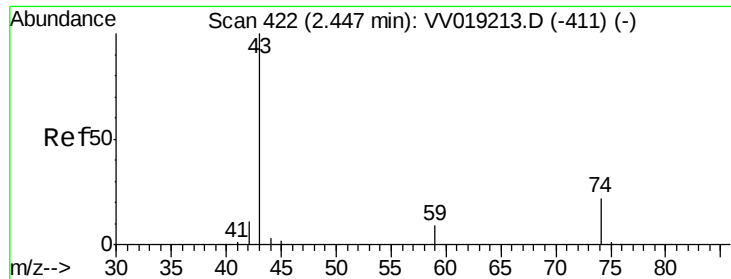
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019213.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV019213.D (-368) (-)

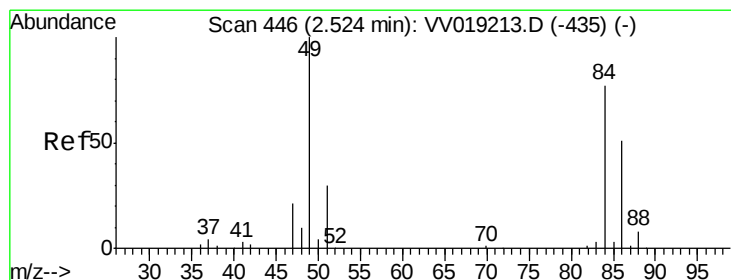
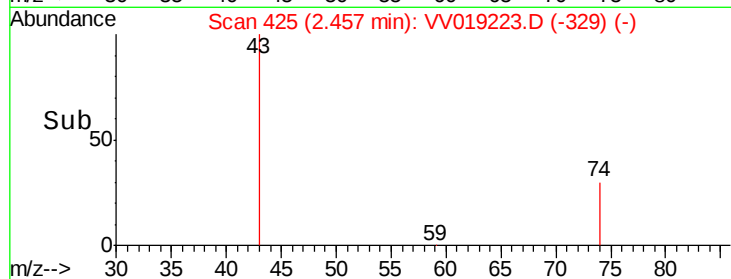
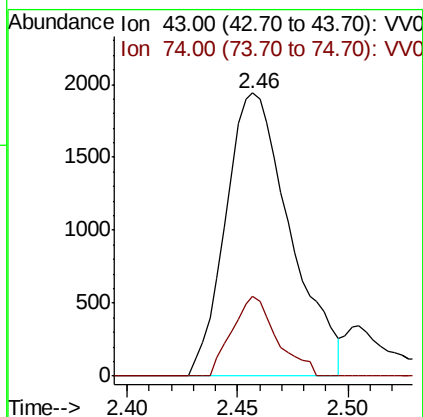
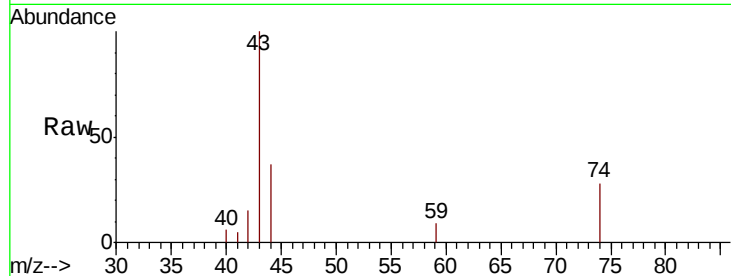




#15
Methyl Acetate
Concen: 2.705 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019223.D
Acq: 03 Nov 2020 02:04

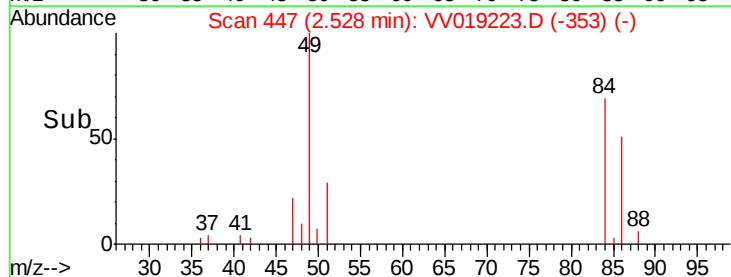
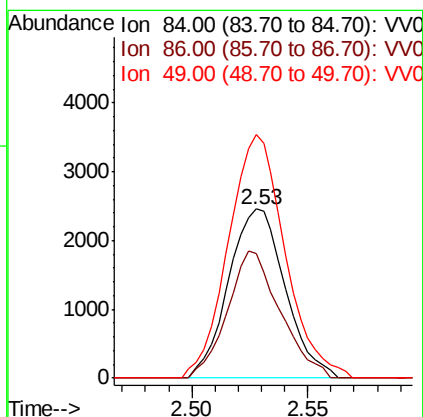
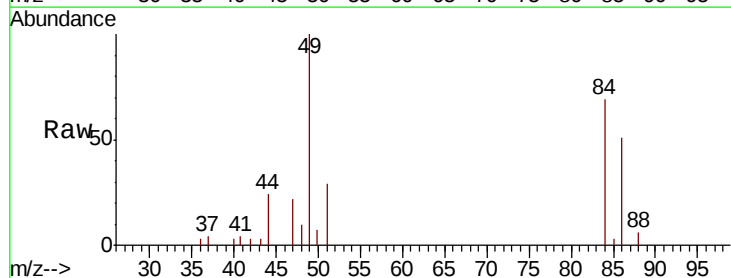
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-01

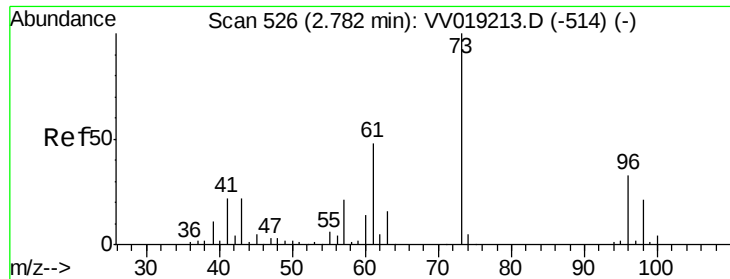
Tot Ion: 43 Resp: 3951
Ion Ratio Lower Upper
43 100
74 19.5 18.8 28.2



#16
Methylene chloride
Concen: 2.793 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV019223.D
Acq: 03 Nov 2020 02:04

Tgt Ion: 84 Resp: 4176
Ion Ratio Lower Upper
84 100
86 73.4 45.6 84.8
49 144.0 89.3 165.9

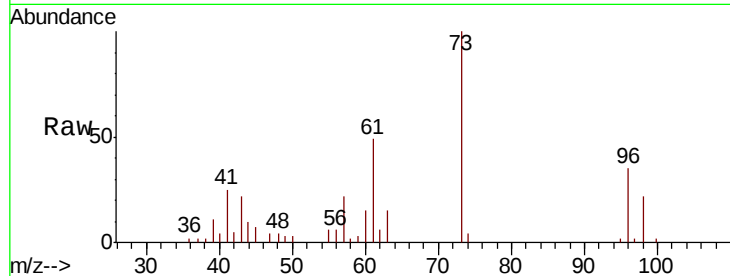




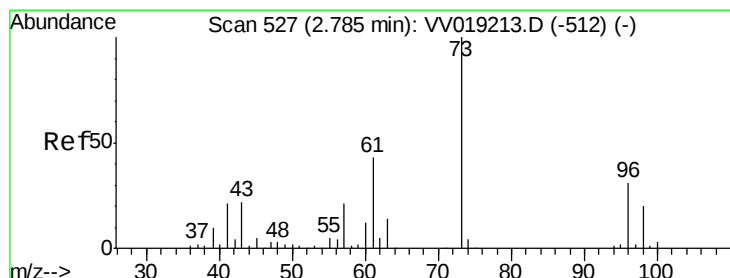
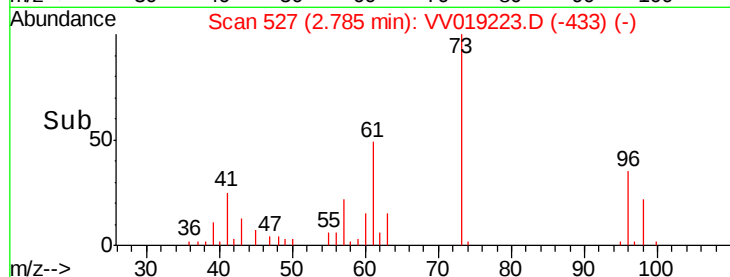
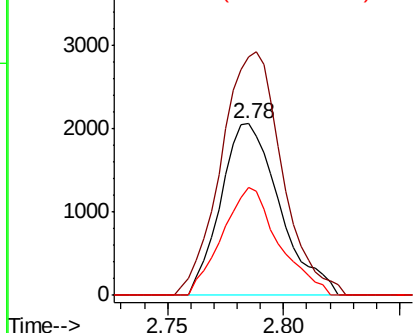
#17
trans-1,2-Dichloroethene
Concen: 2.671 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV019223.D
Acq: 03 Nov 2020 02:04

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-01

Tot Ion: 96 Resp: 3644
Ion Ratio Lower Upper
96 100
61 138.8 100.7 187.1
98 62.8 42.9 79.7

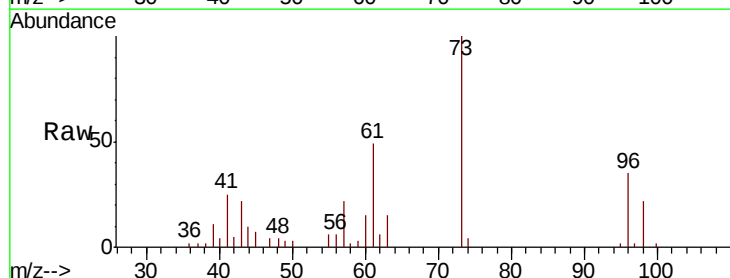


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

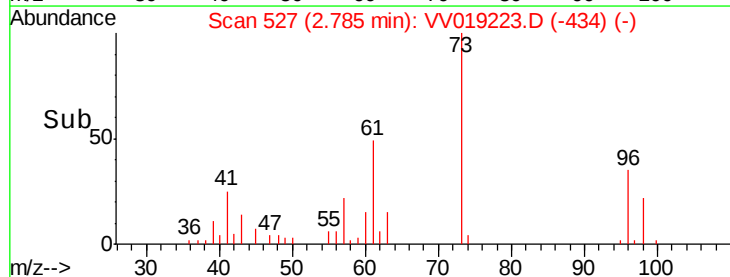
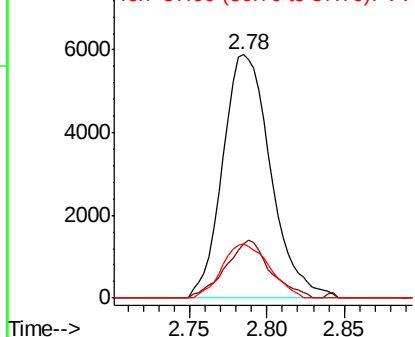


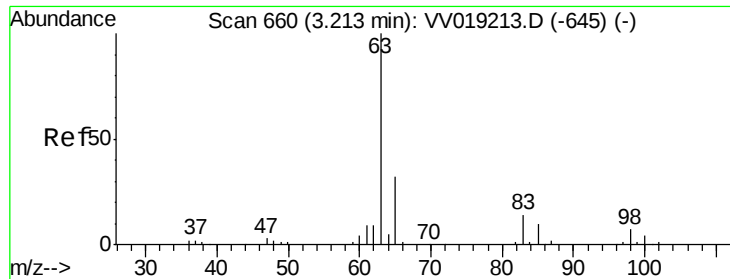
#18
Methyl tert-butyl Ether
Concen: 2.647 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV019223.D
Acq: 03 Nov 2020 02:04

Tgt Ion: 73 Resp: 12696
Ion Ratio Lower Upper
73 100
43 22.1 17.9 26.9
57 22.0 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 2.604 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

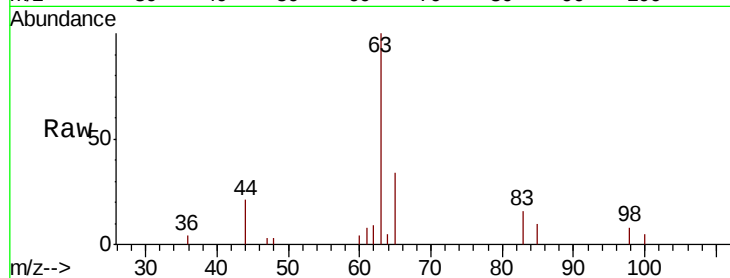
Tot Ion: 63 Resp: 6961

Ion Ratio Lower Upper

63 100

65 33.8 21.8 40.6

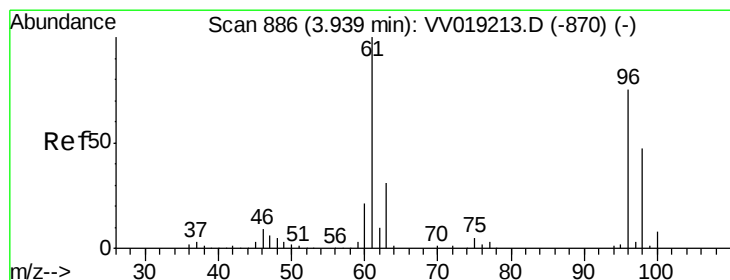
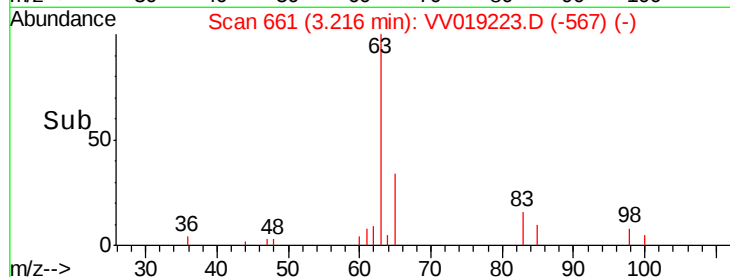
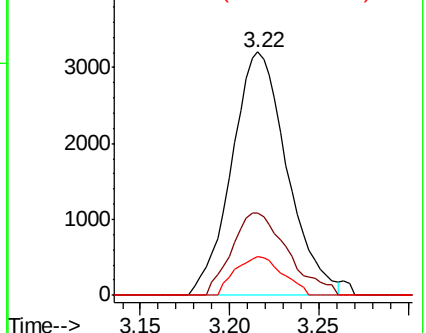
83 16.0 9.5 17.7



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 2.665 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

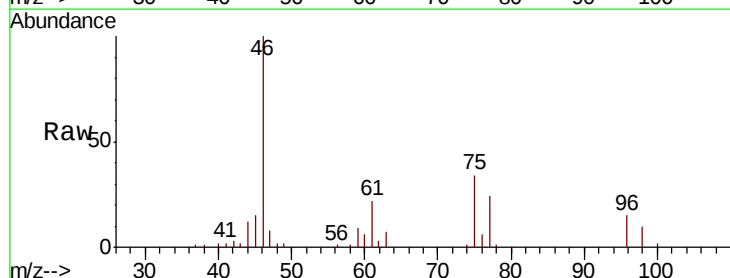
Tgt Ion: 96 Resp: 4019

Ion Ratio Lower Upper

96 100

61 144.7 95.6 177.6

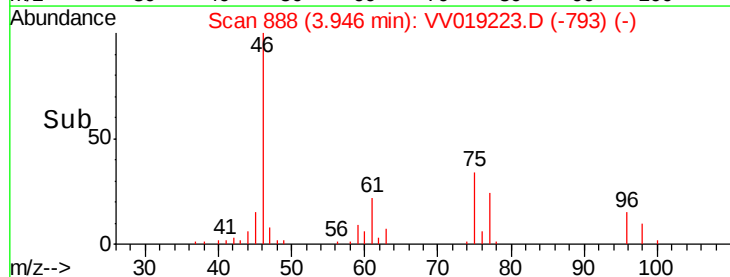
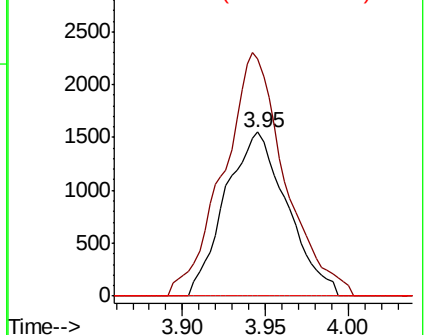
68 0.0 0.0 0.0

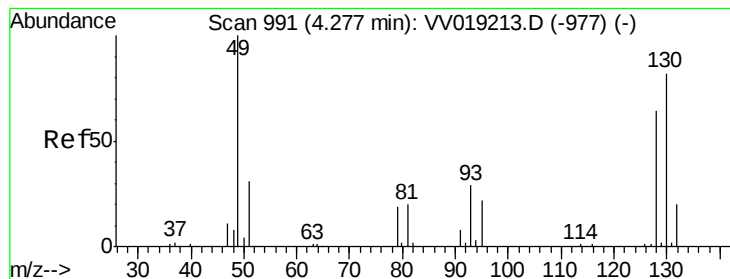


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#23

Bromochloromethane

Concen: 2.590 ug/L

RT: 4.29 min Scan# 994

Delta R.T. 0.01 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

Tot Ion:128 Resp: 2150

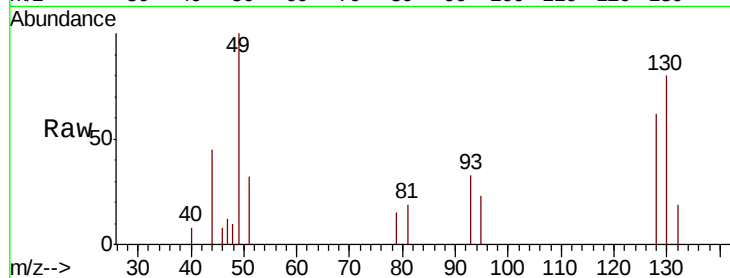
Ion Ratio Lower Upper

128 100

49 160.1 108.8 202.2

130 128.6 88.5 164.3

51 51.5 37.8 56.6



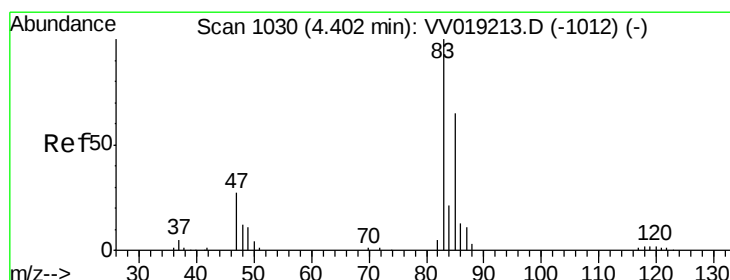
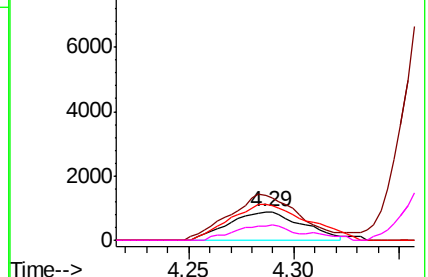
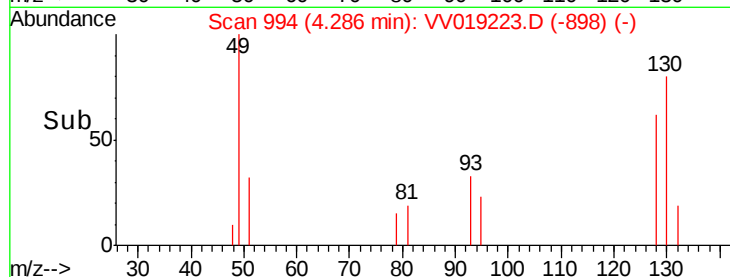
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0

Time-->



#25

Chloroform

Concen: 2.962 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV019223.D

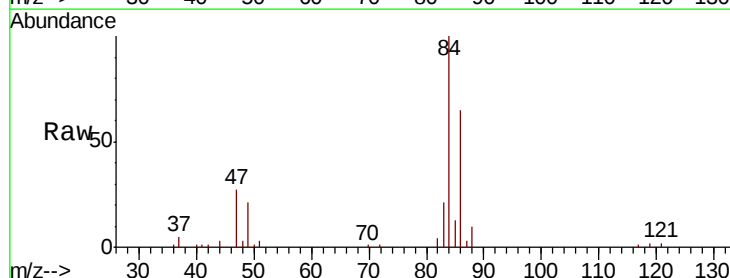
Acq: 03 Nov 2020 02:04

Tgt Ion: 83 Resp: 8490

Ion Ratio Lower Upper

83 100

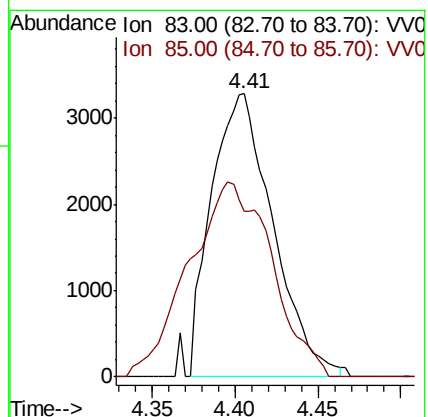
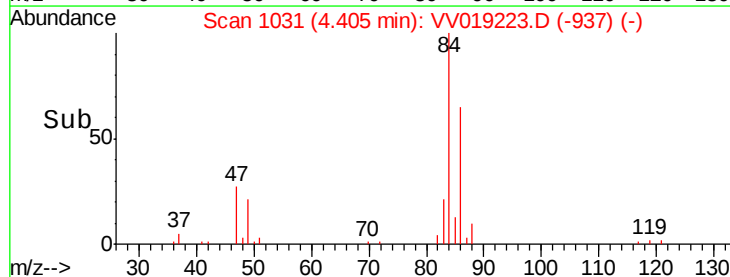
85 58.7 45.4 84.4

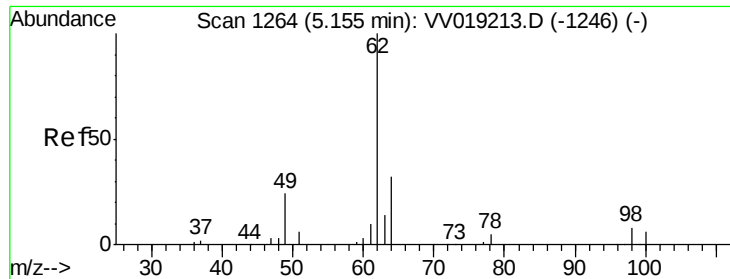


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Time-->

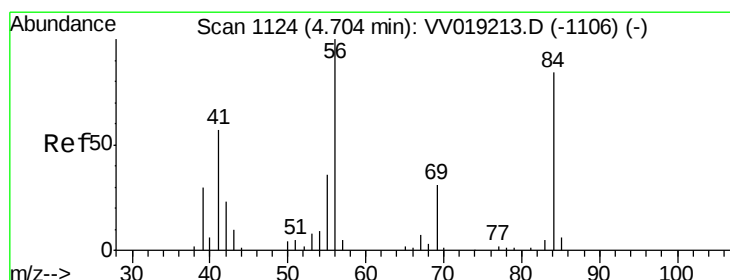
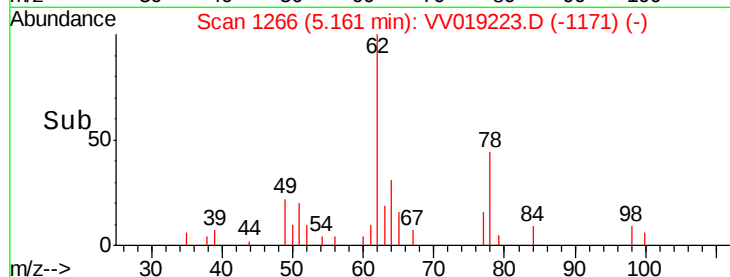
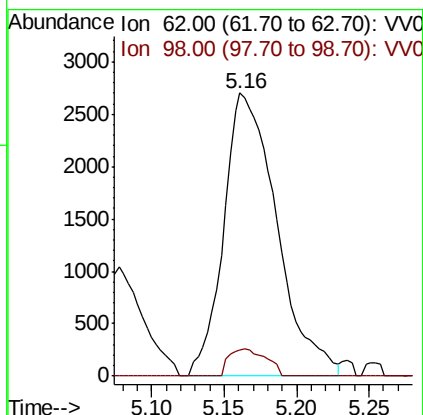
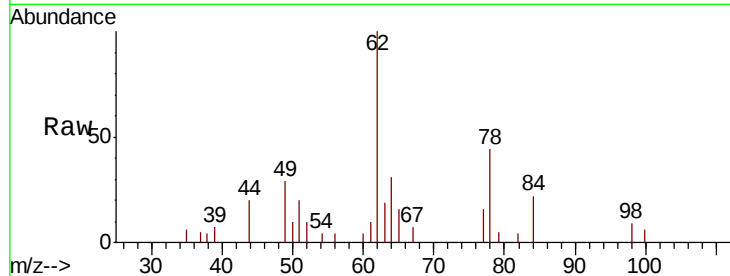




#27
 1,2-Dichloroethane
 Concen: 2.821 ug/L
 RT: 5.16 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

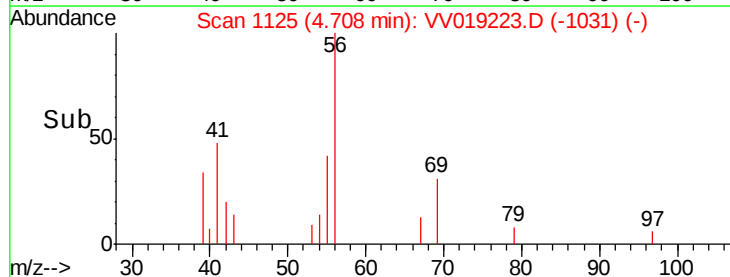
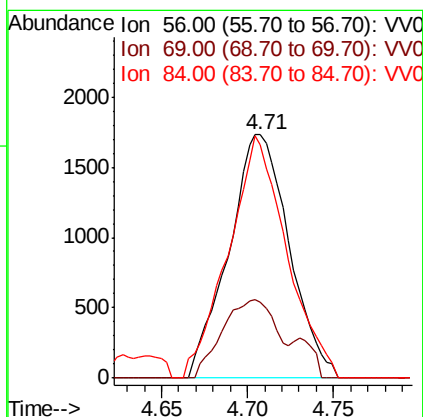
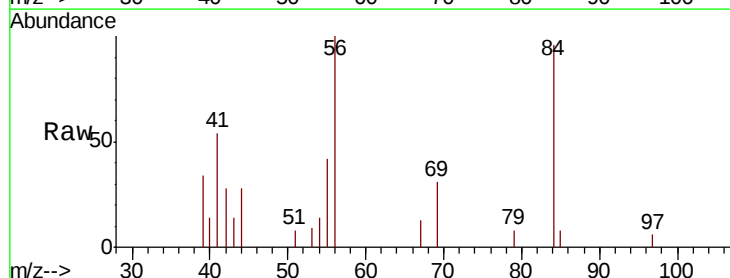
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

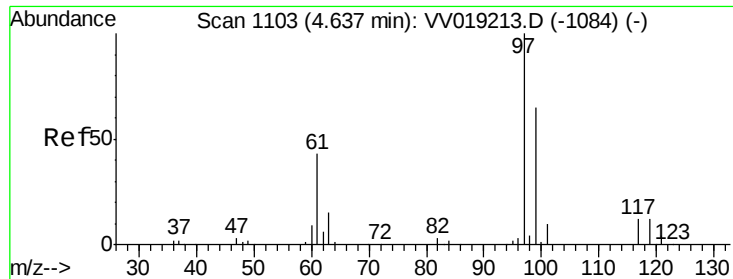
Tot Ion: 62 Resp: 6872
 Ion Ratio Lower Upper
 62 100
 98 9.4 6.8 10.2



#29
 Cyclohexane
 Concen: 2.230 ug/L
 RT: 4.71 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

Tgt Ion: 56 Resp: 4233
 Ion Ratio Lower Upper
 56 100
 69 28.9 24.6 36.8
 84 96.0 70.5 105.7

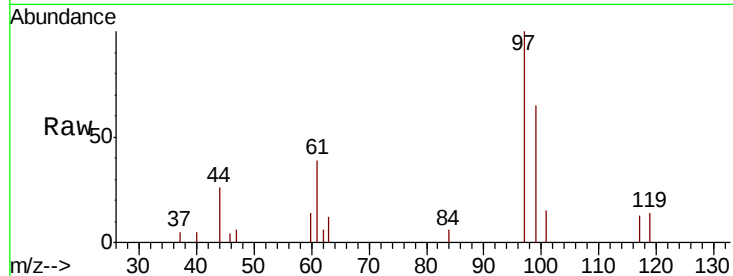




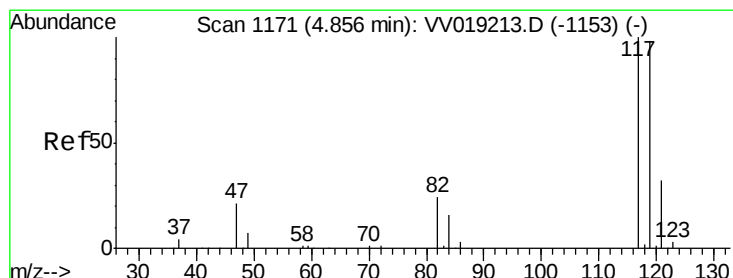
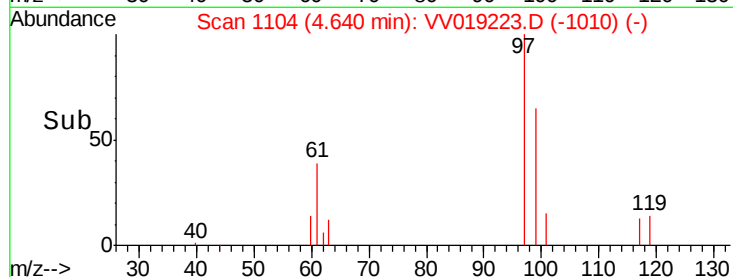
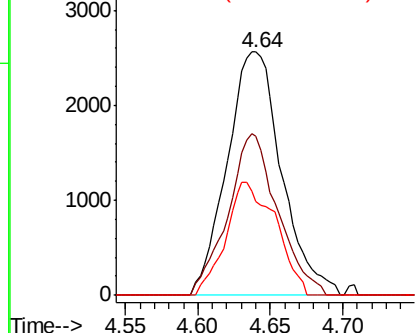
#30
 1,1,1-Trichloroethane
 Concen: 2.606 ug/L
 RT: 4.64 min Scan# 1104
 Delta R.T. 0.00 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

Tot Ion: 97 Resp: 6703
 Ion Ratio Lower Upper
 97 100
 99 60.5 52.0 78.0
 61 42.5 35.3 52.9

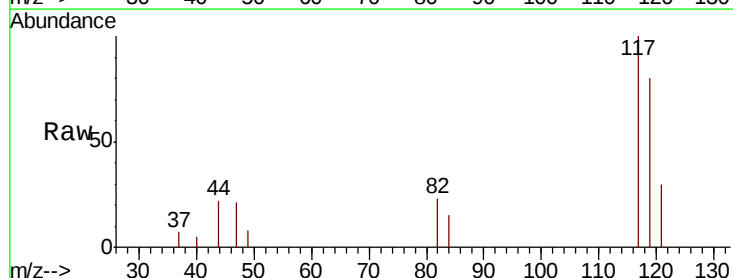


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

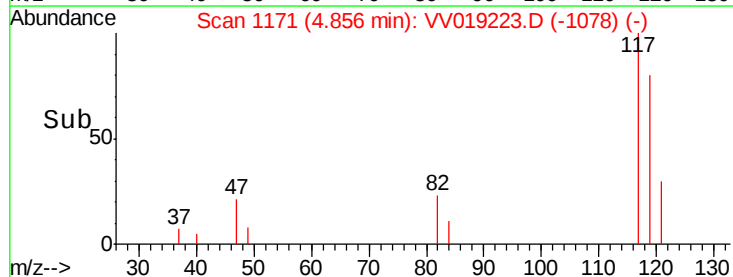
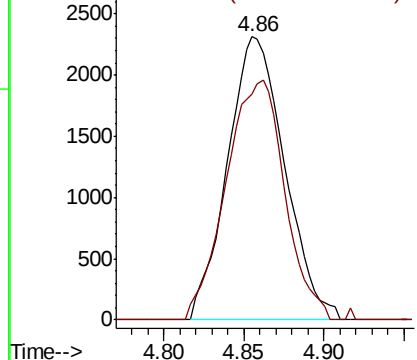


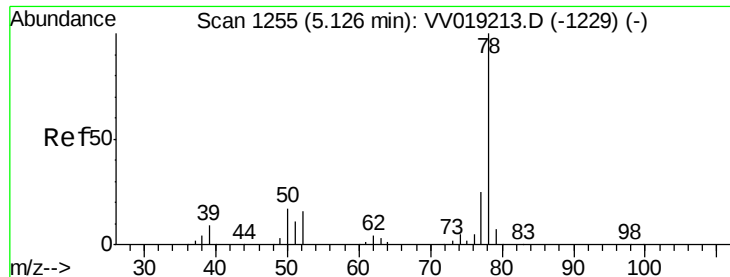
#31
 Carbon tetrachloride
 Concen: 2.554 ug/L
 RT: 4.86 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

Tgt Ion: 117 Resp: 5673
 Ion Ratio Lower Upper
 117 100
 119 86.6 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 2.756 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

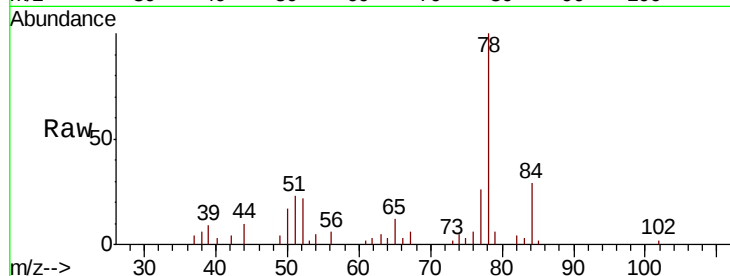
Instrument :

MSVOA_V

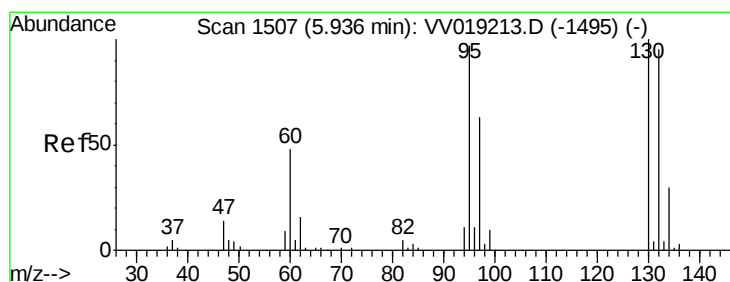
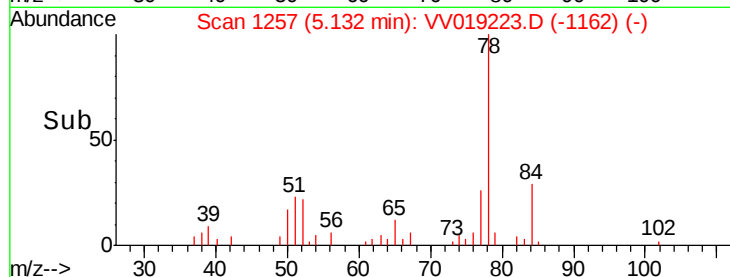
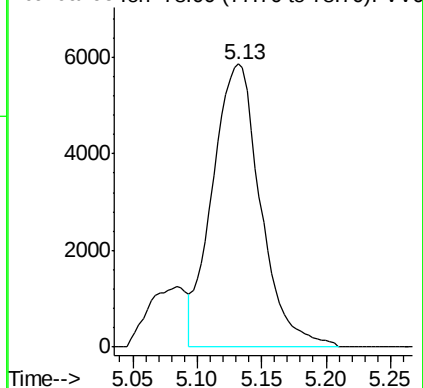
ClientSampleId :

MDL-WATER-01

Tgt Ion: 78 Resp: 15189



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.672 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Tgt Ion: 95 Resp: 4003

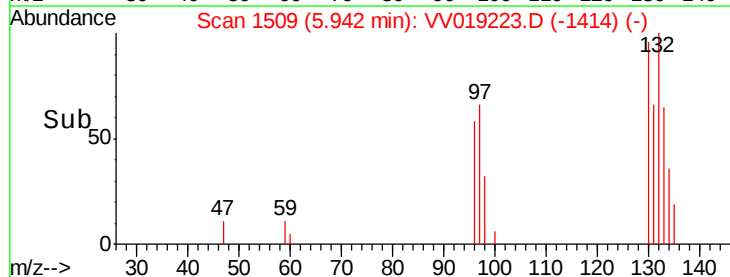
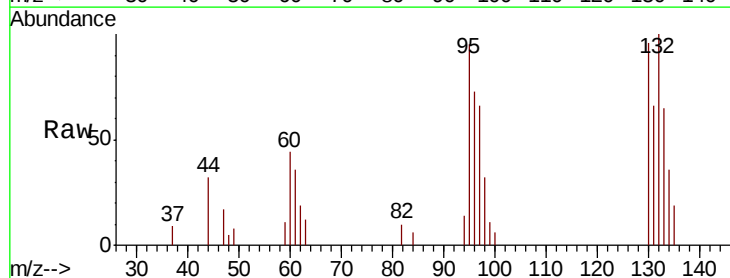
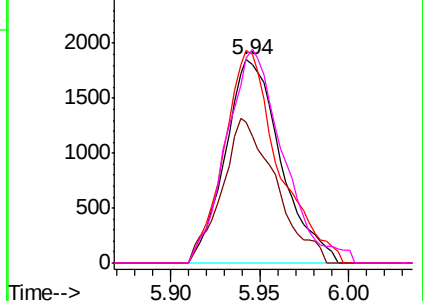
Ion	Ratio	Lower	Upper
95	100		
97	69.4	45.4	84.4
132	104.9	68.5	127.3
130	100.7	72.0	133.6

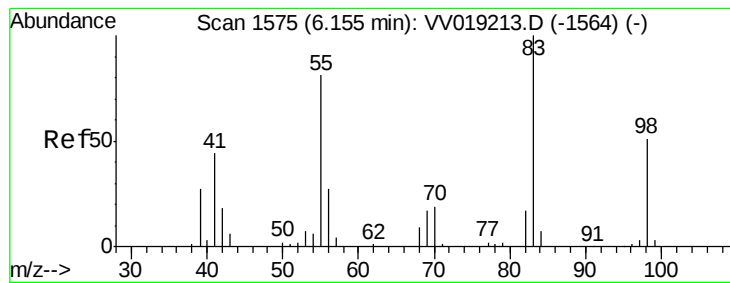
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#35

Methvlcvclohexane

Concen: 2.345 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

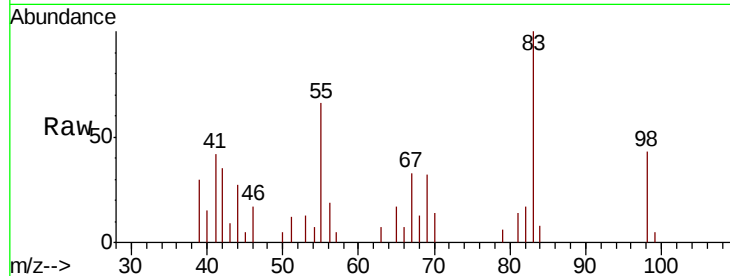
Tot Ion: 83 Resp: 4251

Ion Ratio Lower Upper

83 100

55 80.8 62.8 94.2

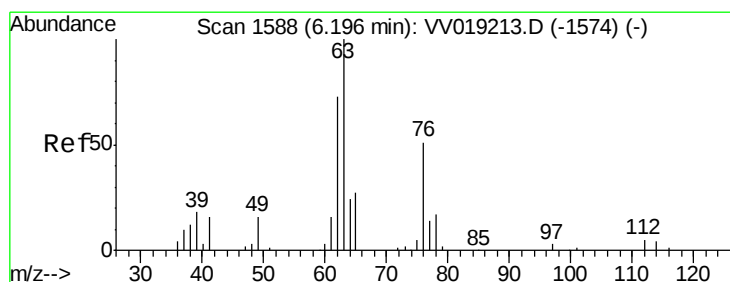
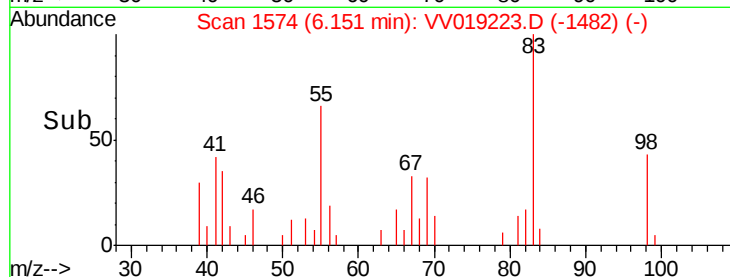
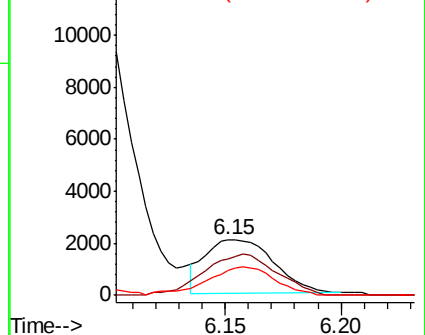
98 52.1 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#37

1,2-Dichloropropane

Concen: 2.618 ug/L

RT: 6.20 min Scan# 1590

Delta R.T. 0.01 min

Lab File: VV019223.D

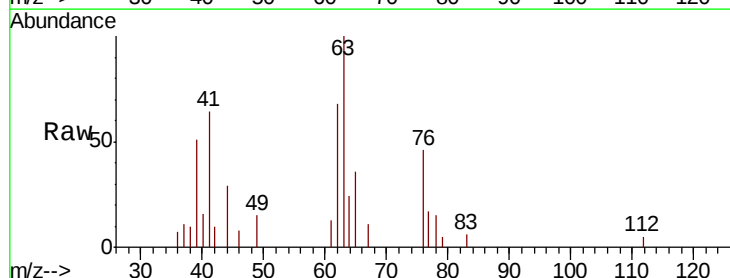
Acq: 03 Nov 2020 02:04

Tgt Ion: 63 Resp: 3851

Ion Ratio Lower Upper

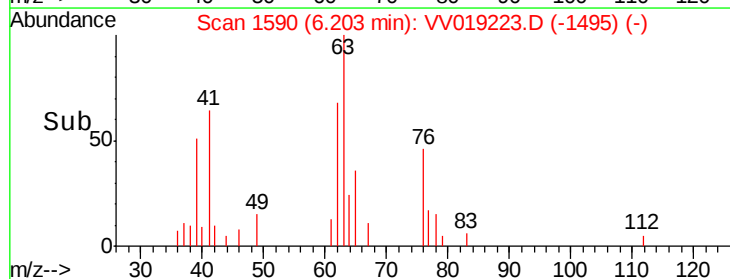
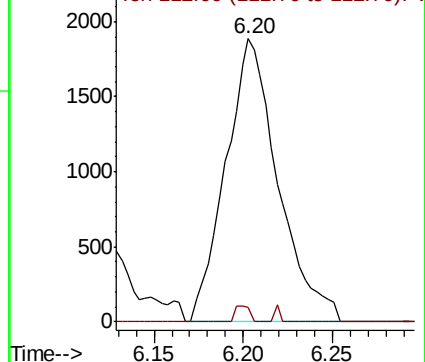
63 100

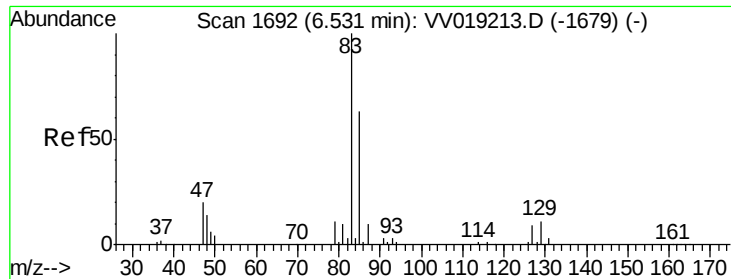
112 1.6 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

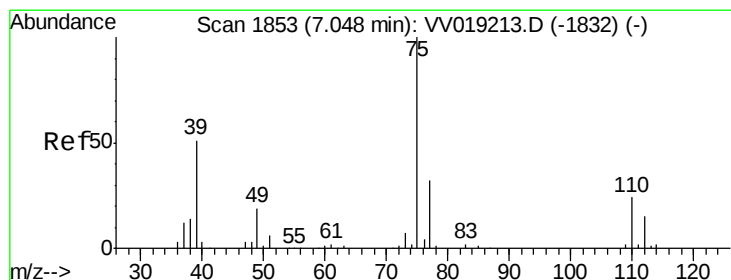
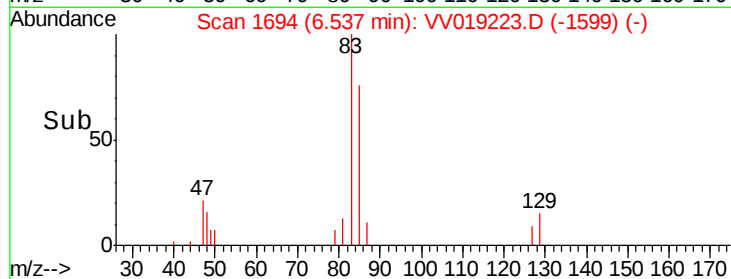
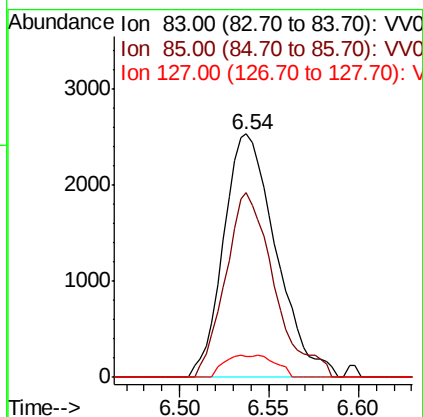
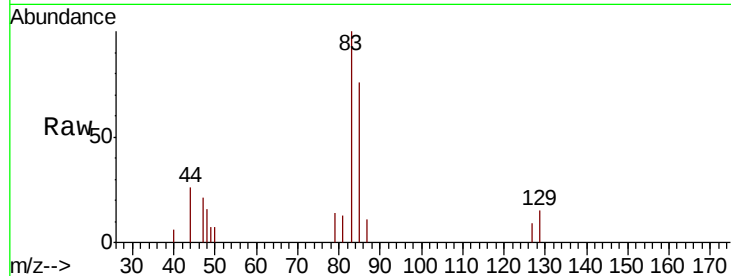




#38
Bromodichloromethane
Concen: 2.457 ug/L
RT: 6.54 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VV019223.D
Acq: 03 Nov 2020 02:04

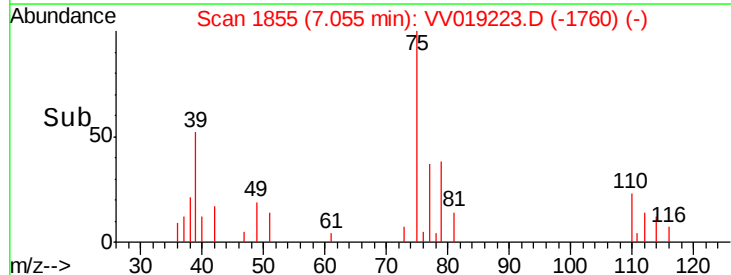
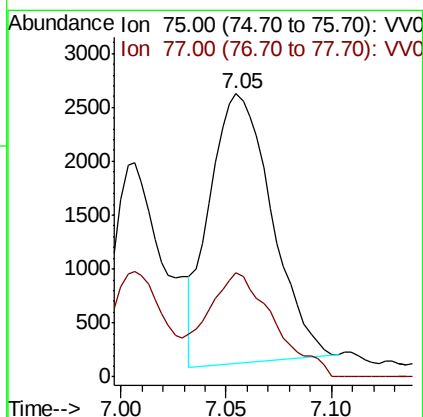
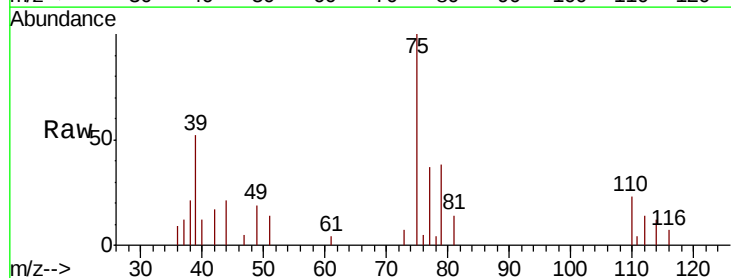
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-01

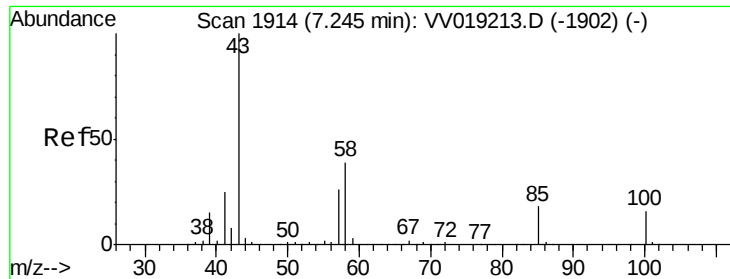
Tot Ion: 83 Resp: 5201
Ion Ratio Lower Upper
83 100
85 75.7 44.0 81.8
127 8.8 7.3 10.9



#39
cis-1,3-Dichloropropene
Concen: 2.164 ug/L
RT: 7.05 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VV019223.D
Acq: 03 Nov 2020 02:04

Tgt Ion: 75 Resp: 5094
Ion Ratio Lower Upper
75 100
77 36.8 22.2 41.2

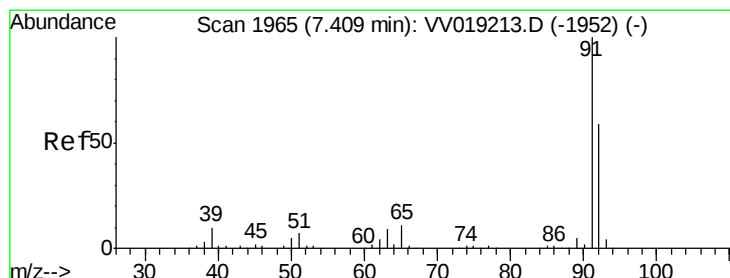
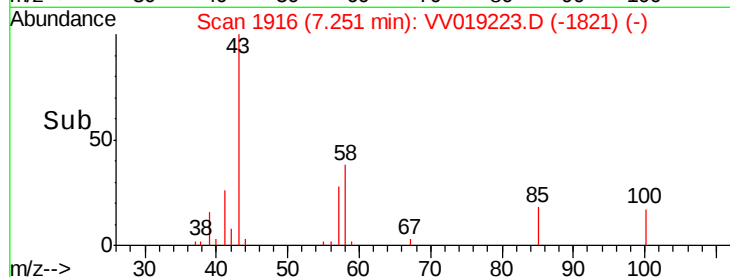
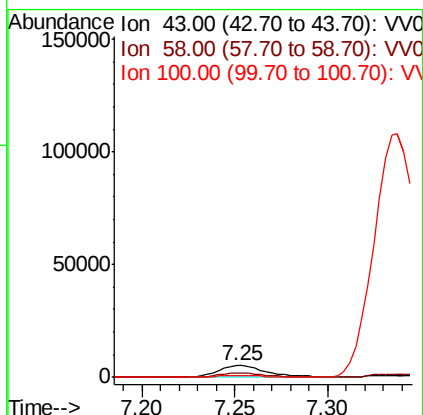
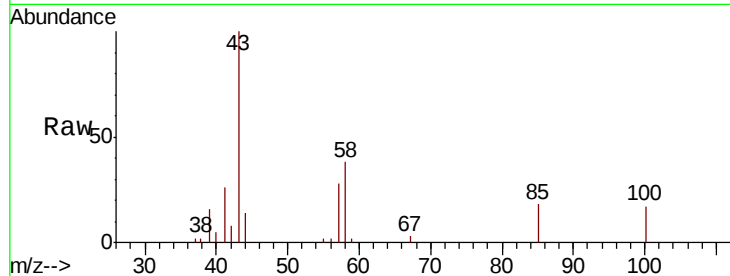




#40
4-Methyl-2-pentanone
Concen: 4.870 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV019223.D
Acq: 03 Nov 2020 02:04

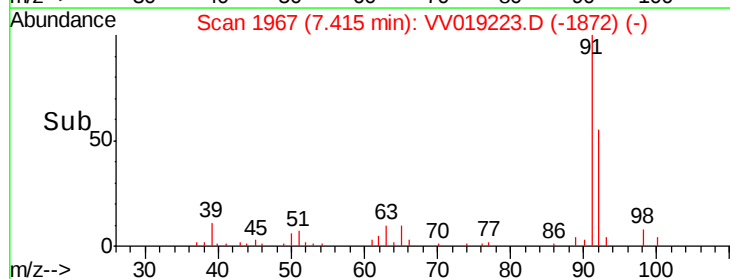
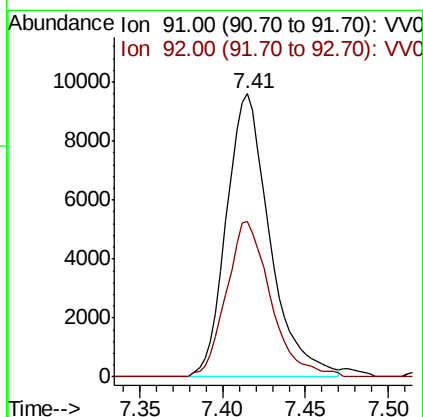
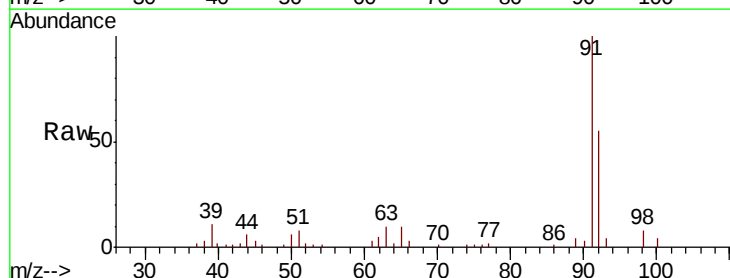
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-01

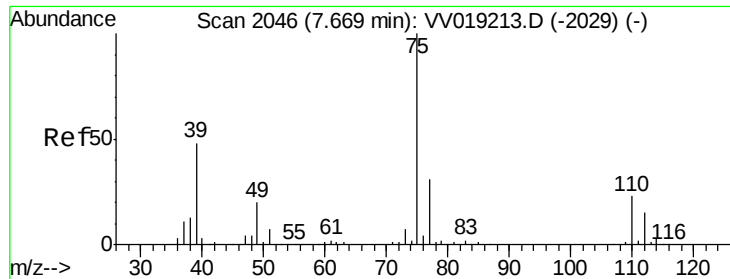
Tot Ion: 43 Resp: 9623
Ion Ratio Lower Upper
43 100
58 35.0 30.5 45.7
100 15.1 12.7 19.1



#42
Toluene
Concen: 2.936 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV019223.D
Acq: 03 Nov 2020 02:04

Tgt Ion: 91 Resp: 17489
Ion Ratio Lower Upper
91 100
92 55.1 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 2.170 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

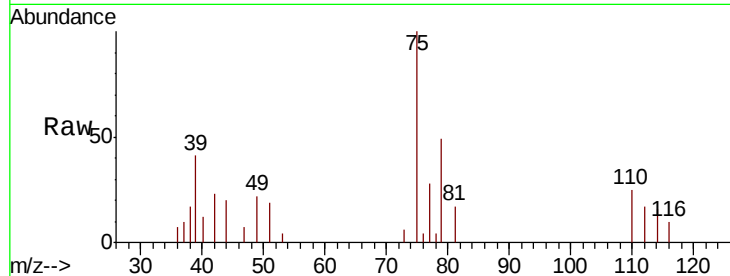
MDL-WATER-01

Tot Ion: 75 Resp: 5235

Ion Ratio Lower Upper

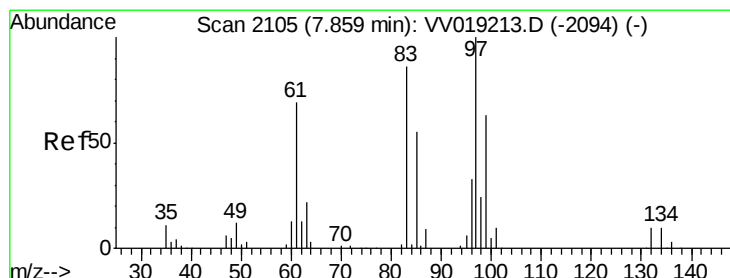
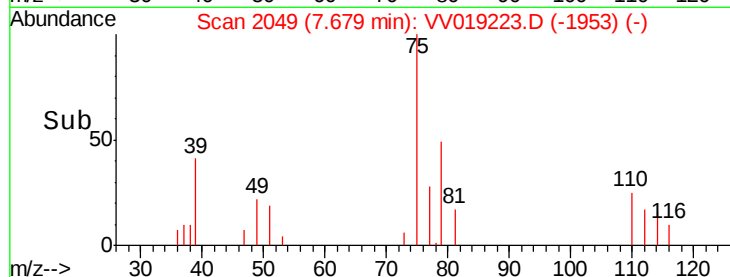
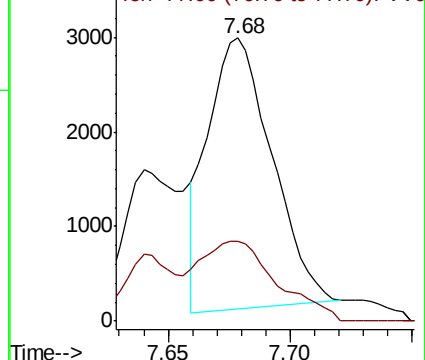
75 100

77 28.0 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 2.789 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Tgt Ion: 97 Resp: 4055

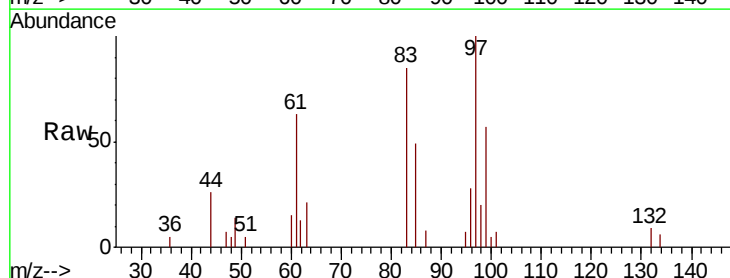
Ion Ratio Lower Upper

97 100

99 56.7 45.1 83.9

83 85.0 57.6 107.0

85 48.6 37.8 70.2

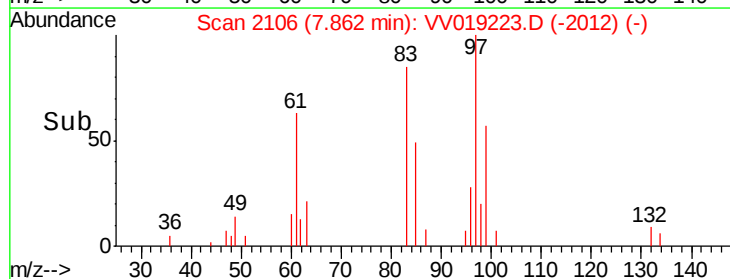
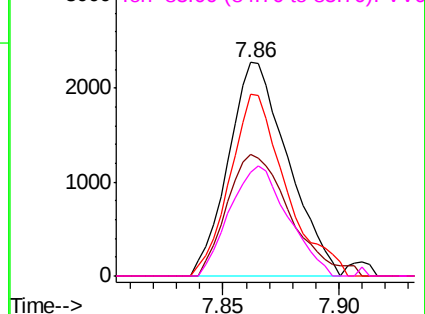


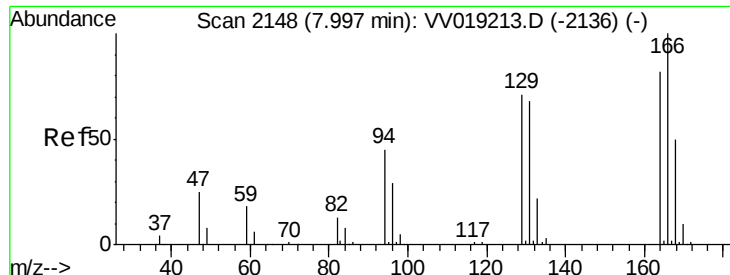
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#46

Tetrachloroethene

Concen: 2.561 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

Tot Ion:164 Resp: 3130

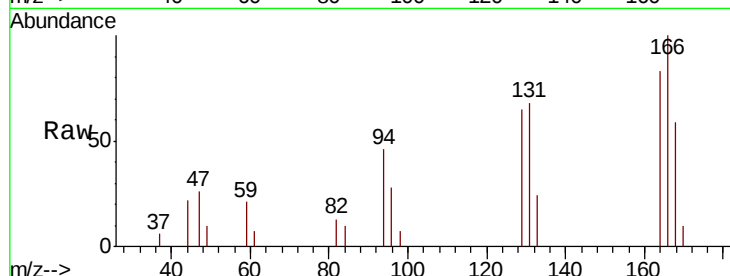
Ion Ratio Lower Upper

164 100

129 77.8 62.6 116.3

131 81.8 59.0 109.6

166 120.7 88.0 163.4

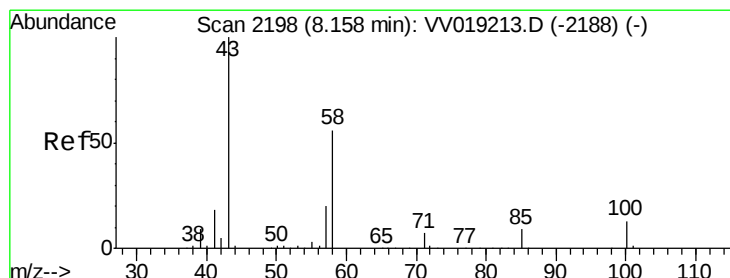
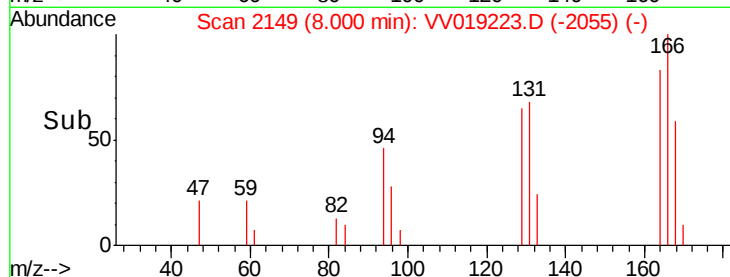
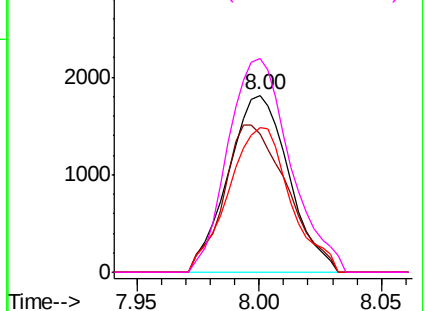


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.388 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Tgt Ion: 43 Resp: 8049

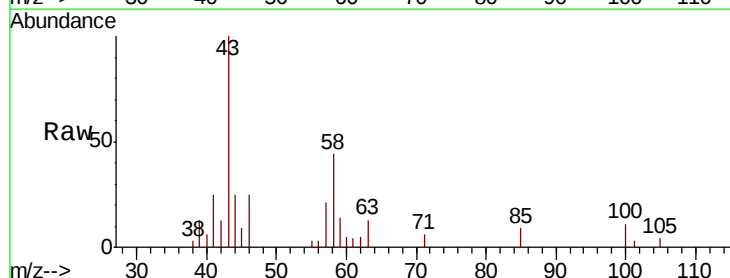
Ion Ratio Lower Upper

43 100

58 49.2 42.6 63.8

57 26.6 15.8 23.8#

100 9.5 10.4 15.6#

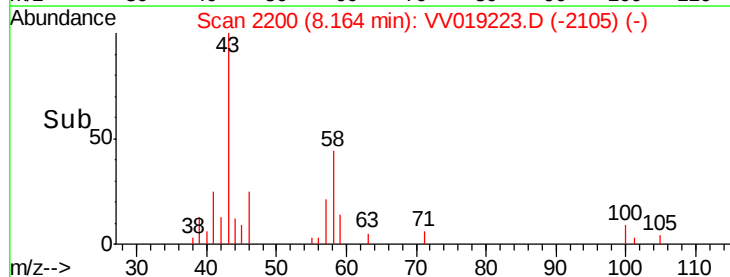
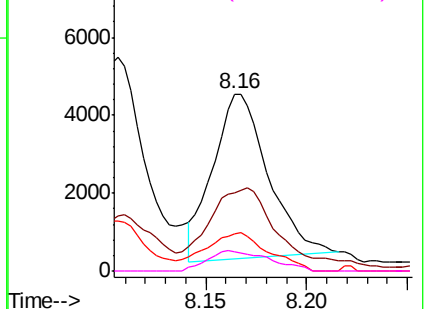


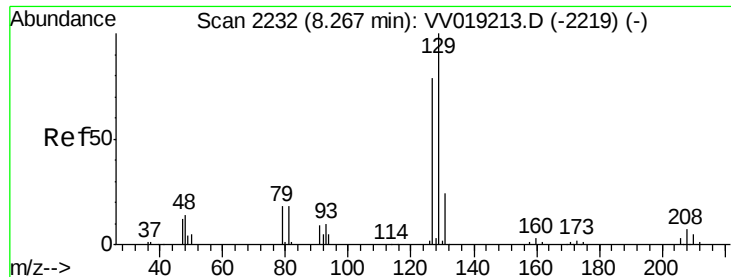
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 2.477 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

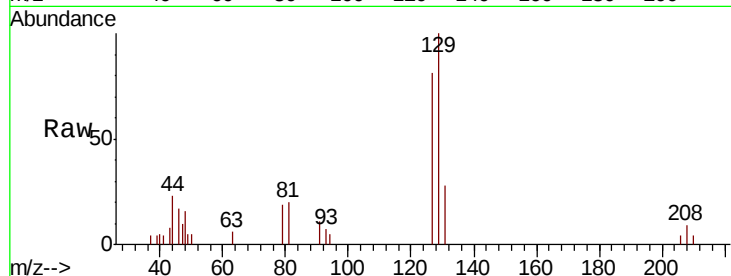
MDL-WATER-01

Tot Ion:129 Resp: 4295

Ion Ratio Lower Upper

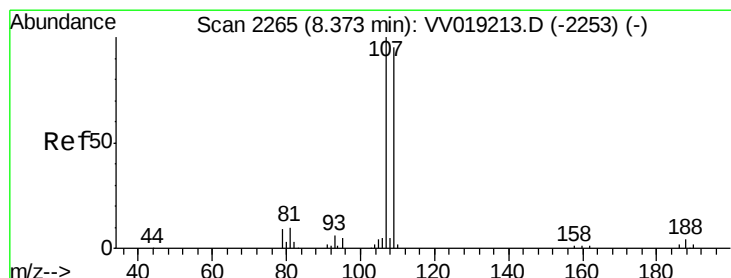
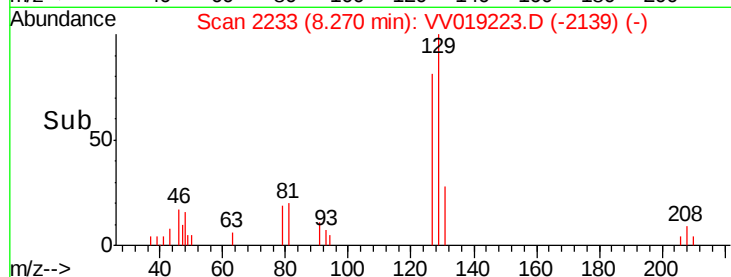
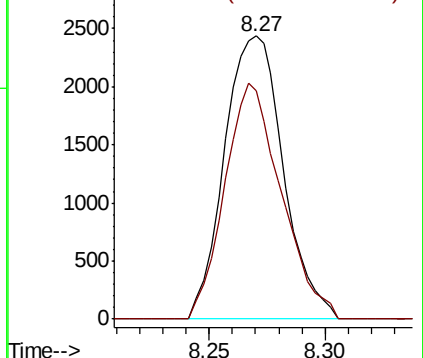
129 100

127 80.9 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.620 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

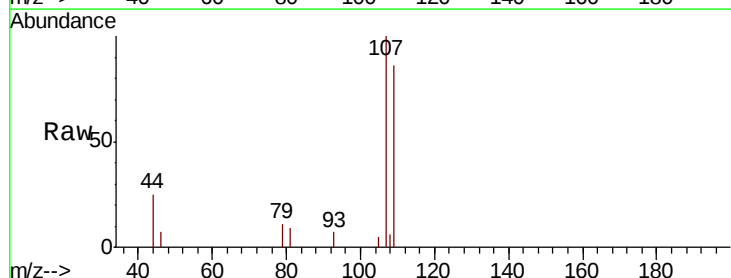
Tgt Ion:107 Resp: 3949

Ion Ratio Lower Upper

107 100

109 85.5 64.8 120.4

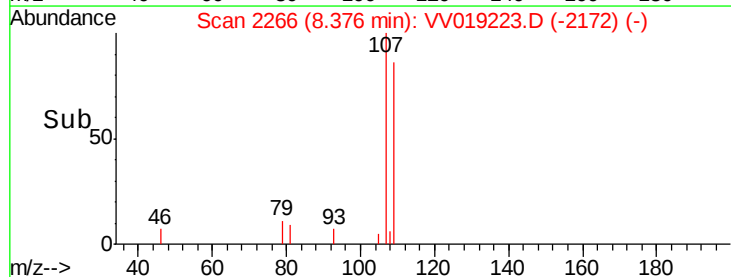
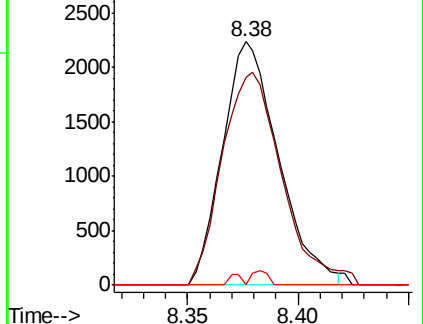
188 0.0 3.8 5.8#

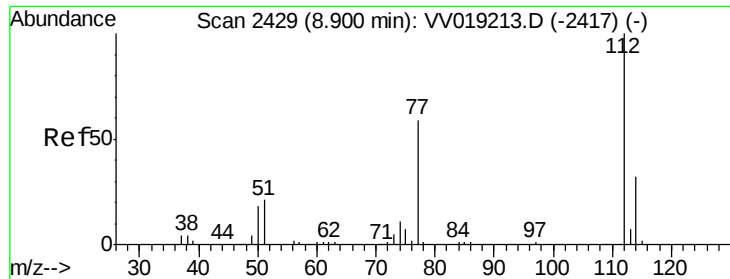


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 2.678 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

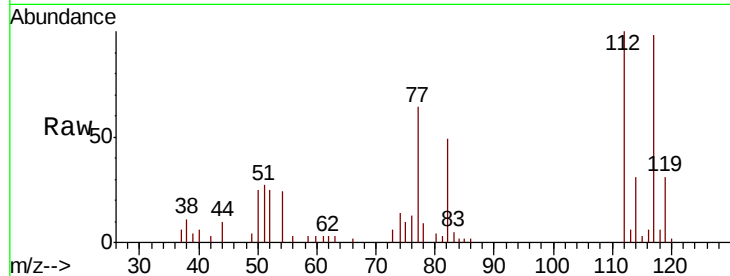
Tot Ion:112 Resp: 10672

Ion Ratio Lower Upper

112 100

114 31.3 22.7 42.1

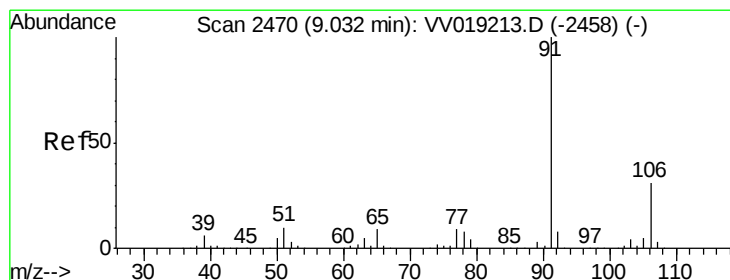
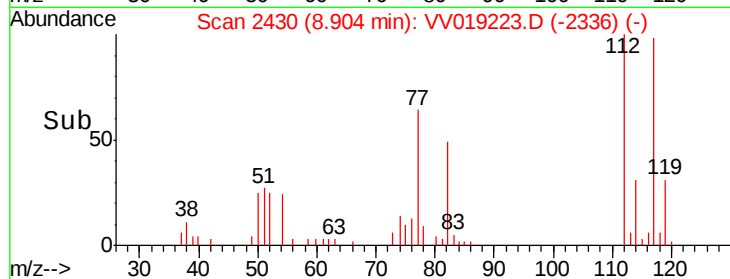
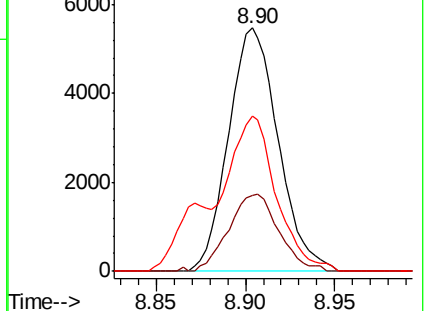
77 63.6 47.3 70.9



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: 2.401 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019223.D

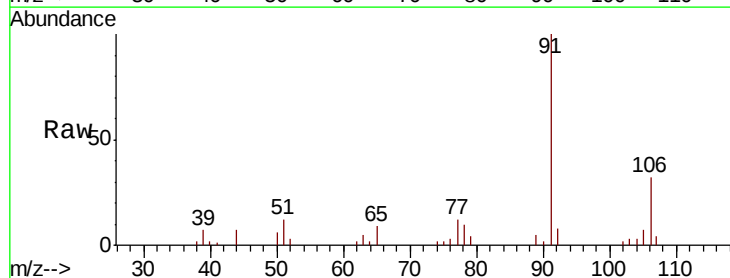
Acq: 03 Nov 2020 02:04

Tgt Ion: 91 Resp: 15784

Ion Ratio Lower Upper

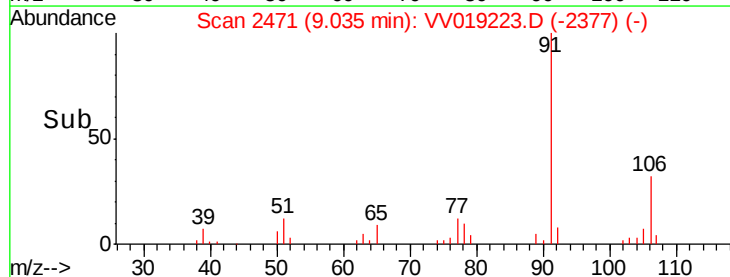
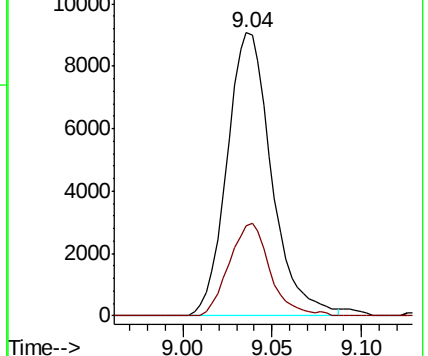
91 100

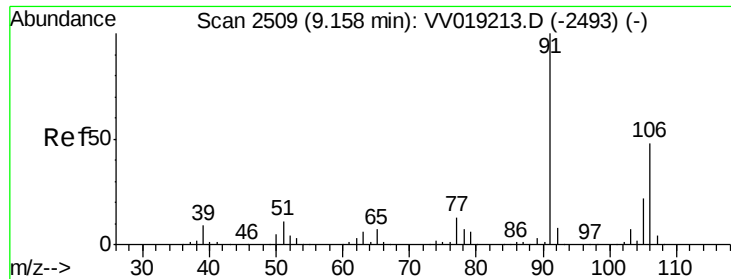
106 31.9 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

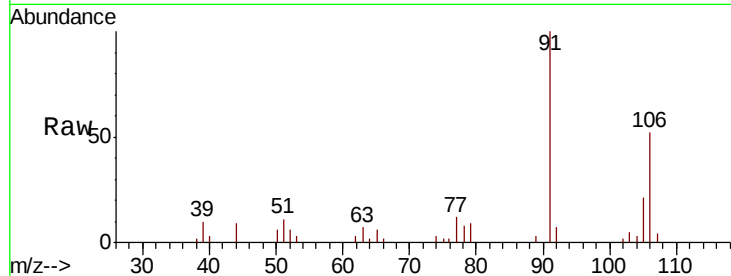




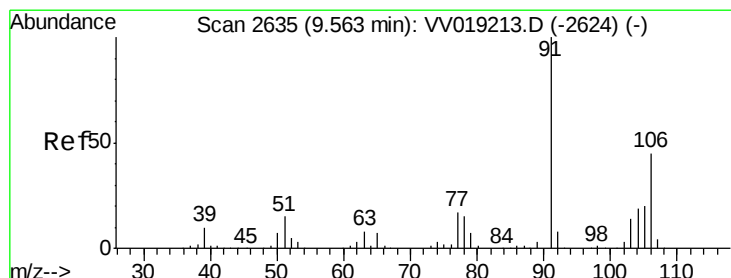
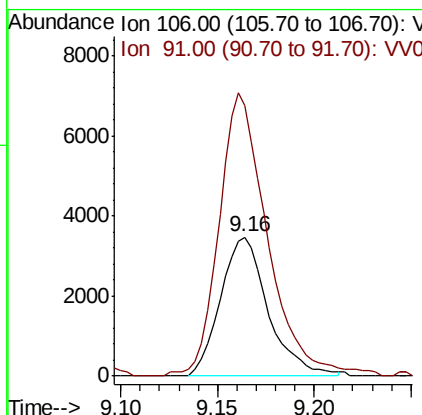
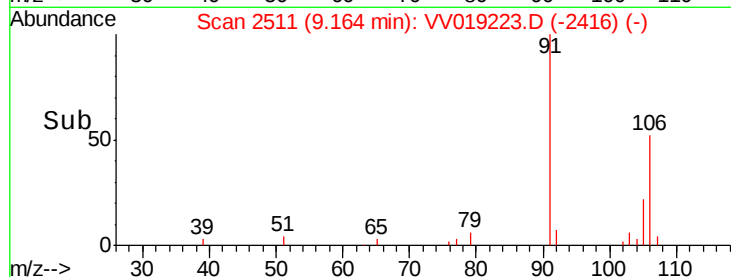
#53
 m,p-Xylene
 Concen: 2.415 ug/L
 RT: 9.16 min Scan# 2511
 Delta R.T. 0.01 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

Tot Ion:106 Resp: 5943
 Ion Ratio Lower Upper
 106 100
 91 193.8 147.2 273.4

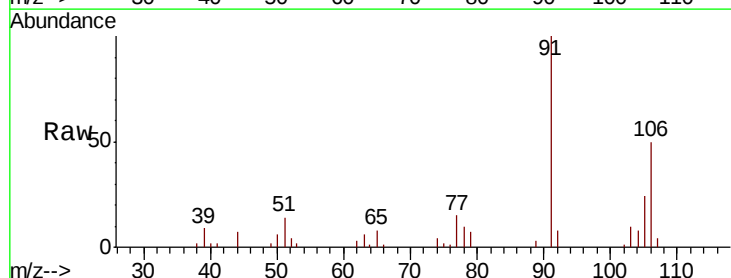


Abundance Ion 106.00 (105.70 to 106.70): V
 Ion 91.00 (90.70 to 91.70): VV0

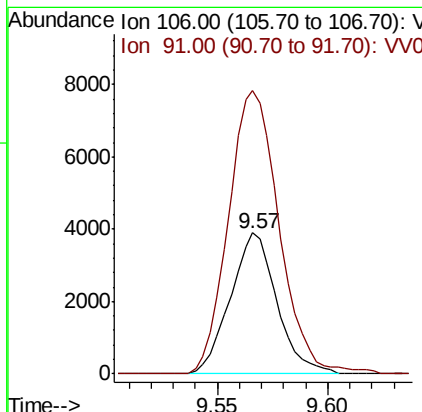
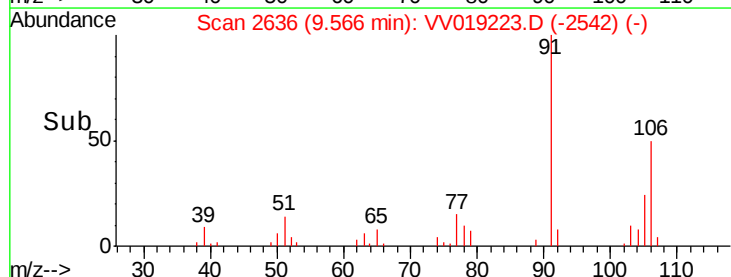


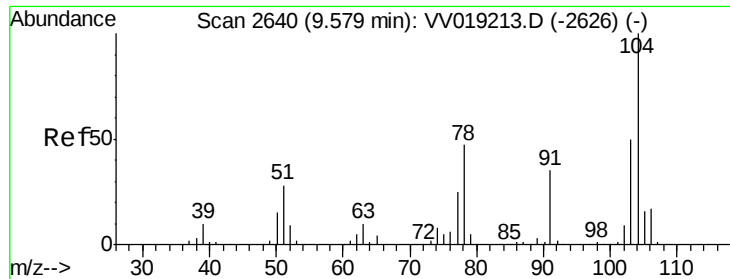
#54
 o-Xylene
 Concen: 2.352 ug/L
 RT: 9.57 min Scan# 2636
 Delta R.T. 0.00 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

Tgt Ion:106 Resp: 5706
 Ion Ratio Lower Upper
 106 100
 91 201.0 151.6 281.6



Abundance Ion 106.00 (105.70 to 106.70): V
 Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 2.080 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.01 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

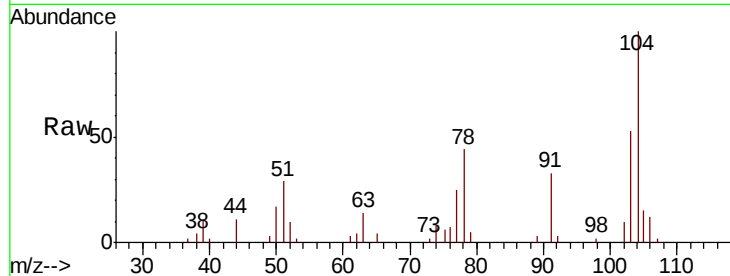
MDL-WATER-01

Tot Ion:104 Resp: 8979

Ion Ratio Lower Upper

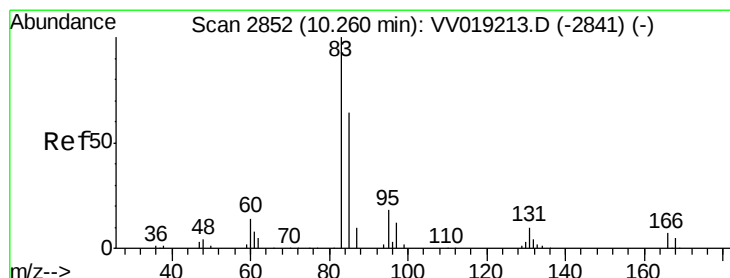
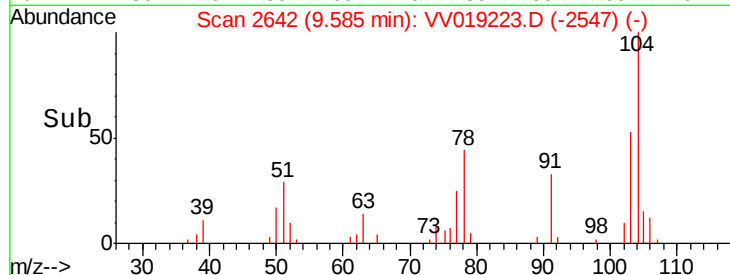
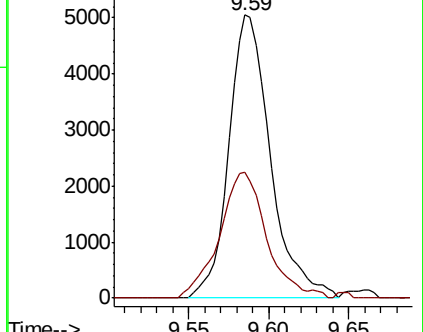
104 100

78 44.3 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): VV019223.D (-2642) (-)

Ion 78.00 (77.70 to 78.70): VV019223.D (-2642) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 2.646 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

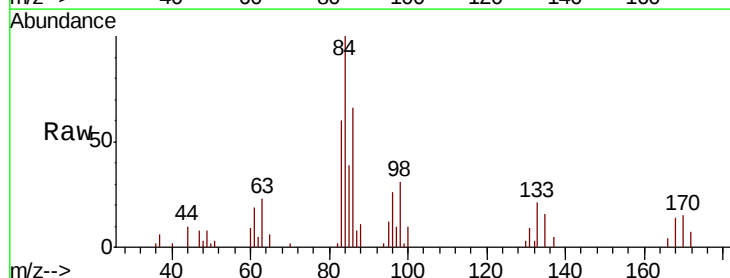
Tgt Ion: 83 Resp: 5820

Ion Ratio Lower Upper

83 100

85 64.8 45.0 83.6

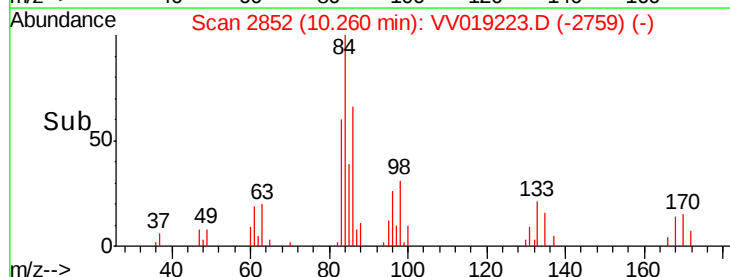
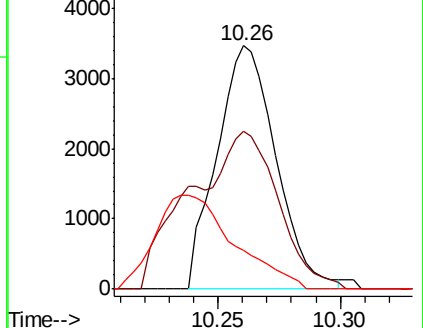
131 15.8 8.9 13.3#

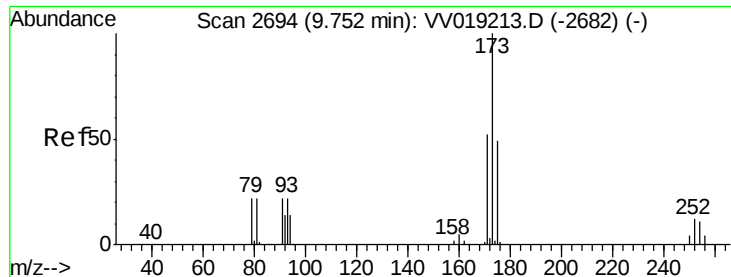


Abundance Ion 83.00 (82.70 to 83.70): VV019223.D (-2852) (-)

Ion 85.00 (84.70 to 85.70): VV019223.D (-2852) (-)

Ion 131.00 (130.70 to 131.70): VV019223.D (-2852) (-)





#59

Bromoform

Concen: 2.627 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

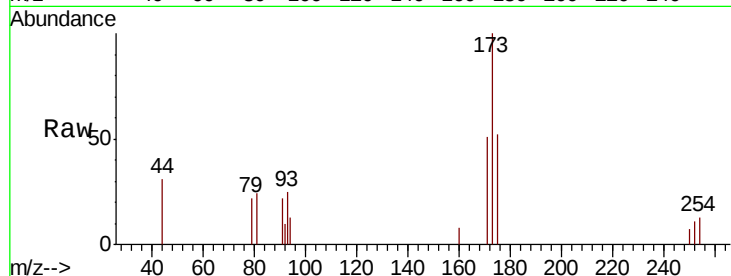
Tot Ion:173 Resp: 3264

Ion Ratio Lower Upper

173 100

175 48.5 38.4 57.6

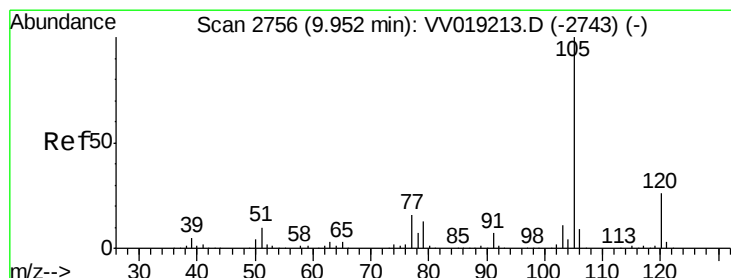
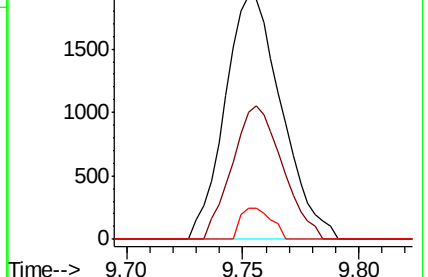
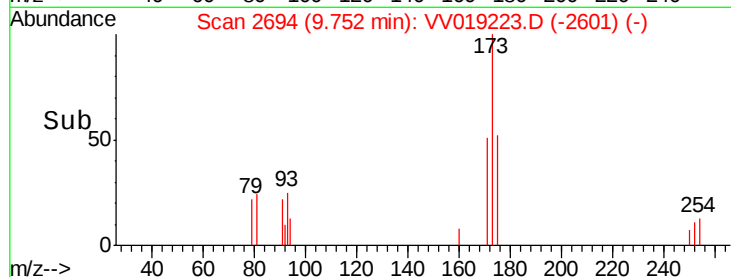
254 6.9 9.0 13.6#



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: 2.493 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

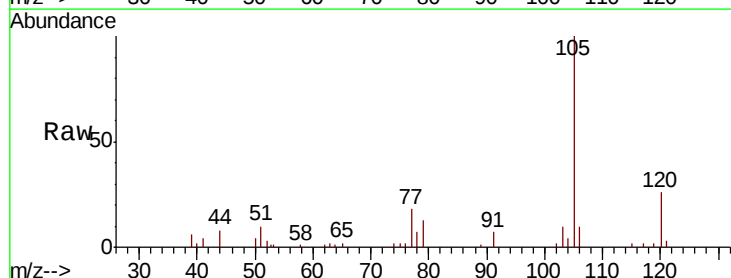
Tgt Ion:105 Resp: 14627

Ion Ratio Lower Upper

105 100

120 25.3 21.0 31.4

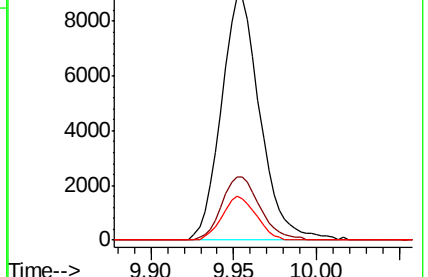
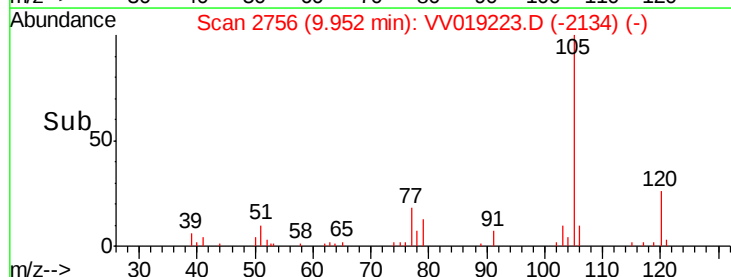
77 15.5 13.0 19.6

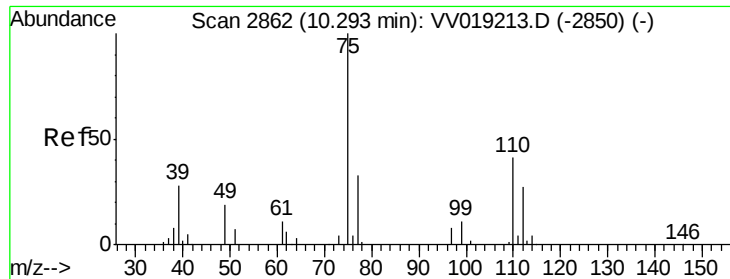


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

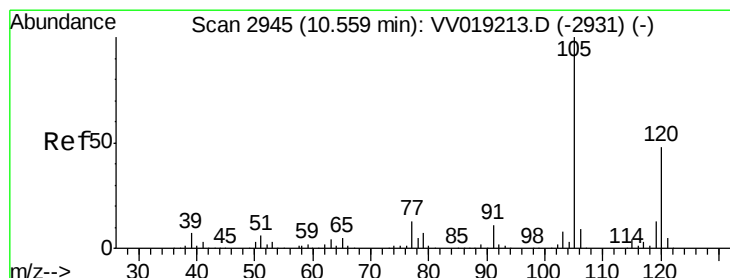
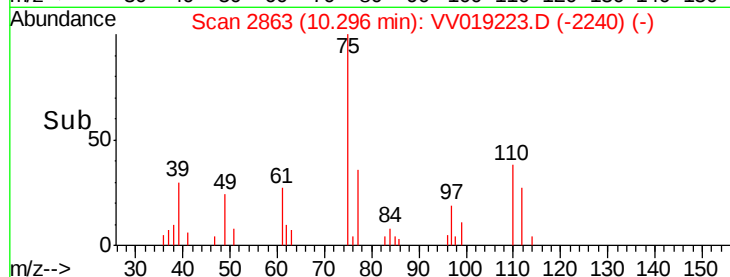
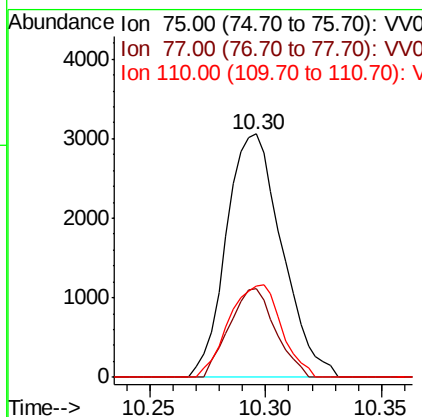
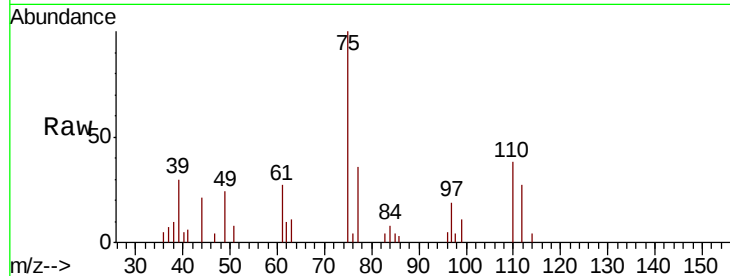




#61
 1,2,3-Trichloropropane
 Concen: 2.923 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

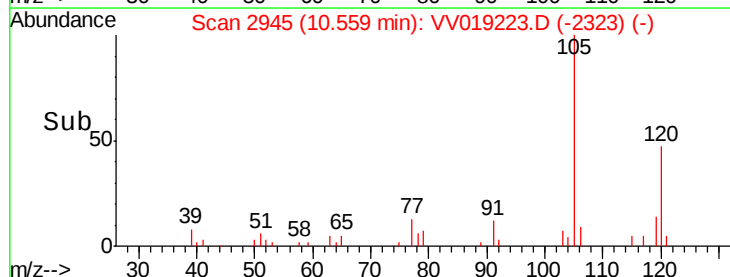
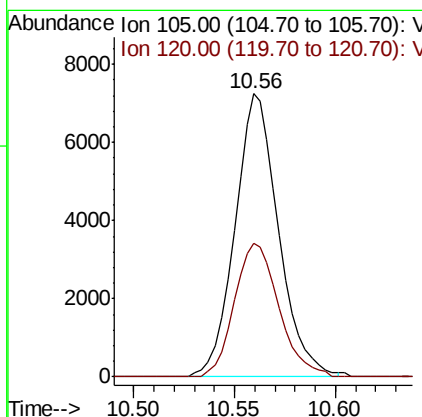
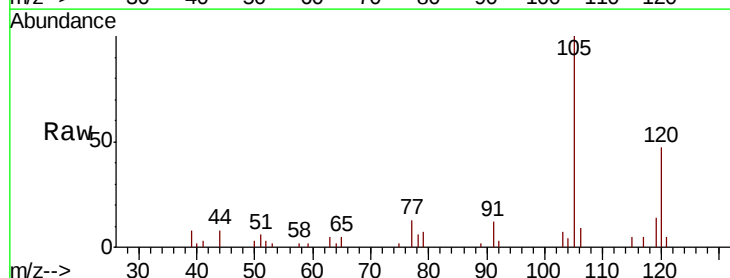
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

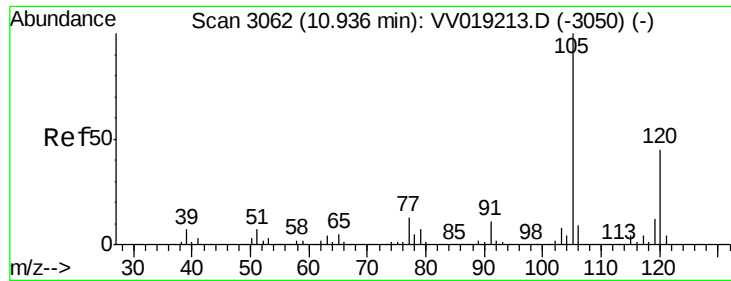
Tot Ion: 75 Resp: 5083
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.8 37.2
 110 36.1 33.4 50.2



#62
 1,3,5-Trimethylbenzene
 Concen: 2.237 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

Tgt Ion: 105 Resp: 10929
 Ion Ratio Lower Upper
 105 100
 120 48.2 38.3 57.5

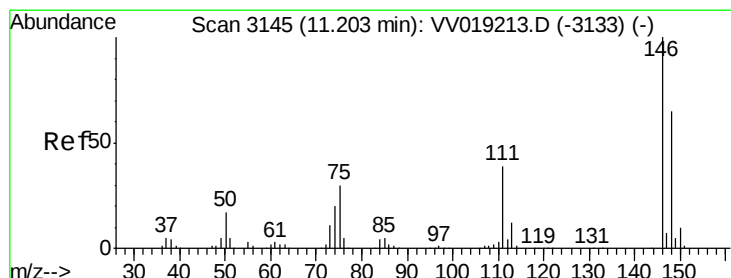
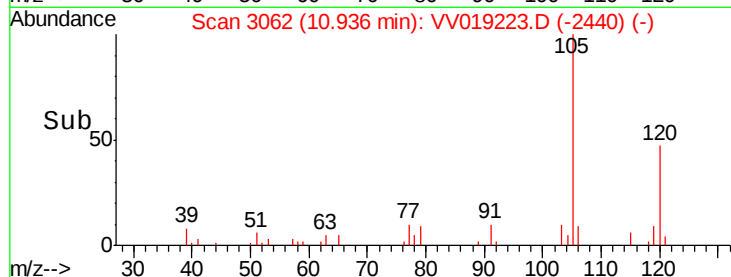
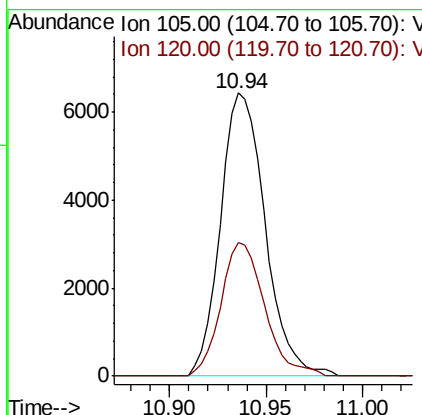
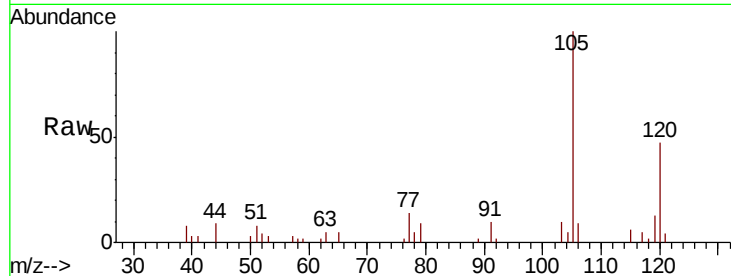




#63
 1,2,4-Trimethylbenzene
 Concen: 2.164 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

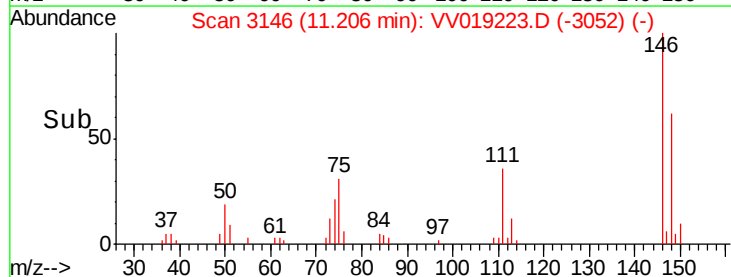
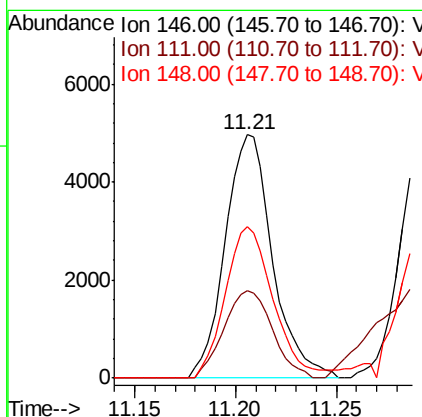
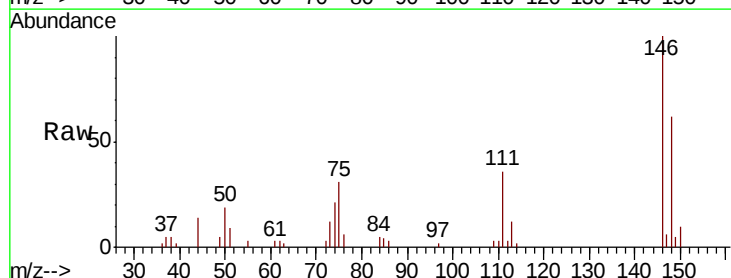
Instrument :
 MSVOA_V
 ClientSampled :
 MDL-WATER-01

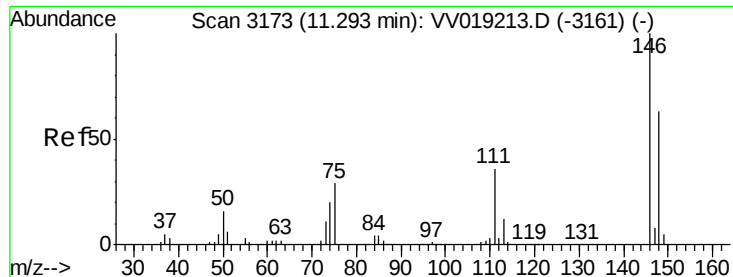
Tot Ion:105 Resp: 10345
 Ion Ratio Lower Upper
 105 100
 120 46.1 35.7 53.5



#64
 1,3-Dichlorobenzene
 Concen: 2.654 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

Tgt Ion:146 Resp: 8146
 Ion Ratio Lower Upper
 146 100
 111 36.1 27.3 50.7
 148 62.5 45.2 84.0





#65

1,4-Dichlorobenzene

Concen: 2.824 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

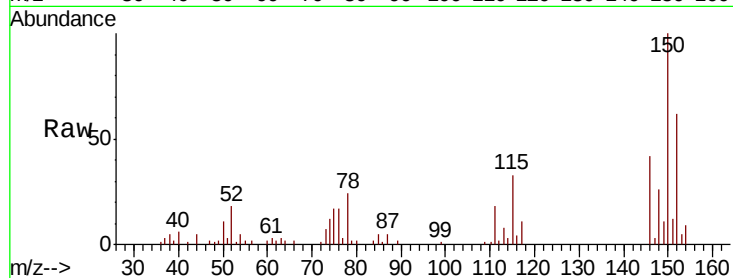
Tot Ion:146 Resp: 8966

Ion Ratio Lower Upper

146 100

111 41.9 25.9 48.1

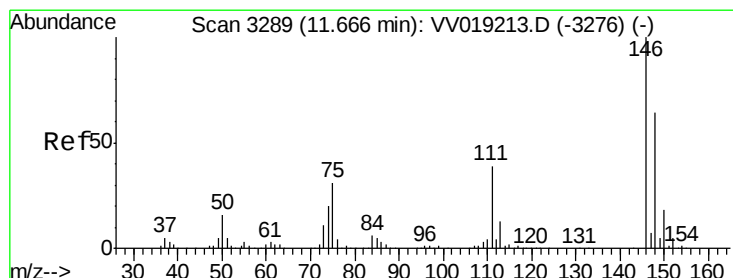
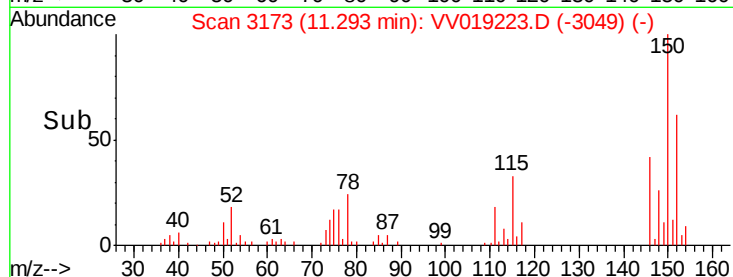
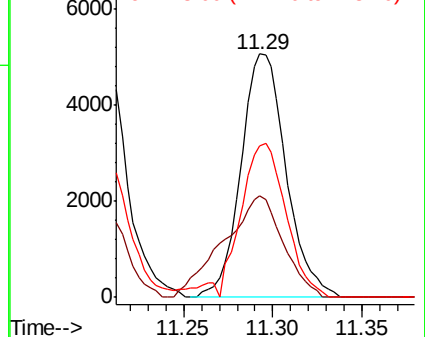
148 62.1 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,2-Dichlorobenzene

Concen: 2.812 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

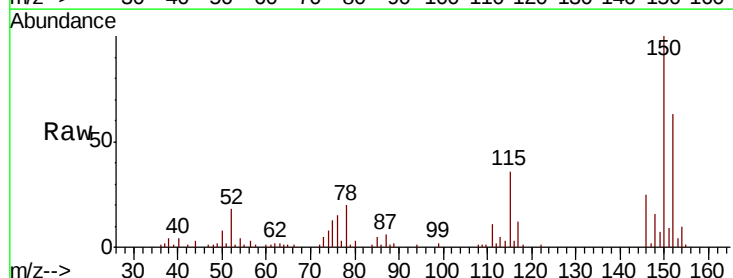
Tgt Ion:146 Resp: 8830

Ion Ratio Lower Upper

146 100

111 42.5 32.6 48.8

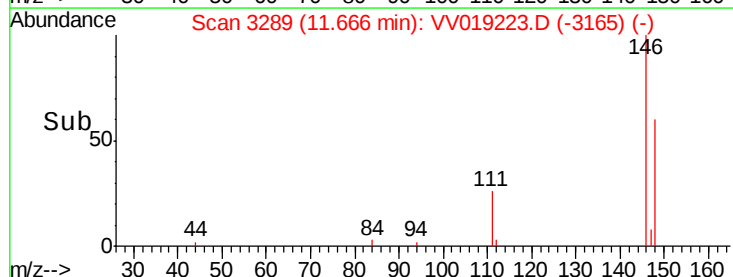
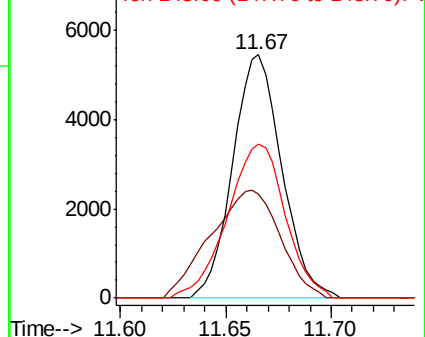
148 63.1 50.1 75.1

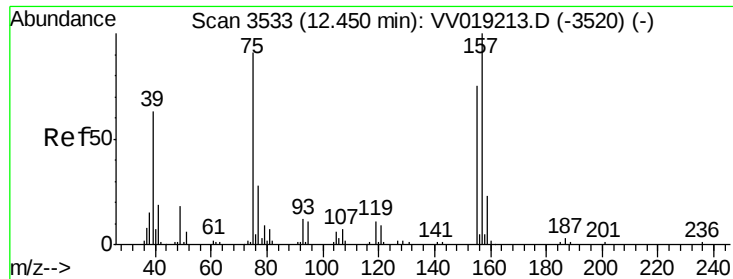


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2-Dibromo-3-chloropropane

Concen: 2.523 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-01

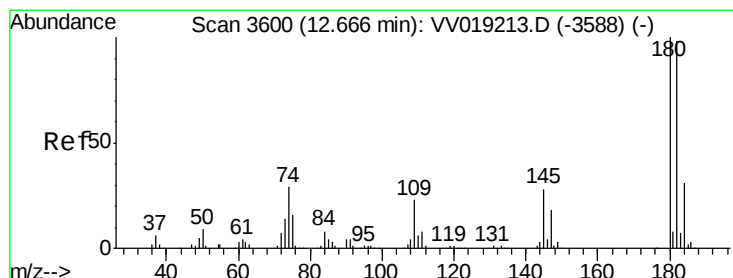
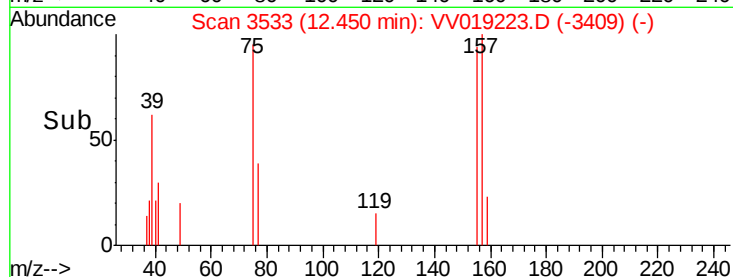
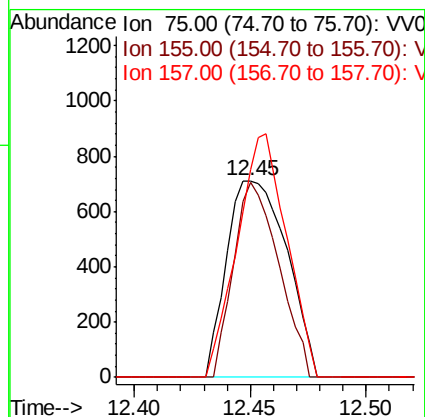
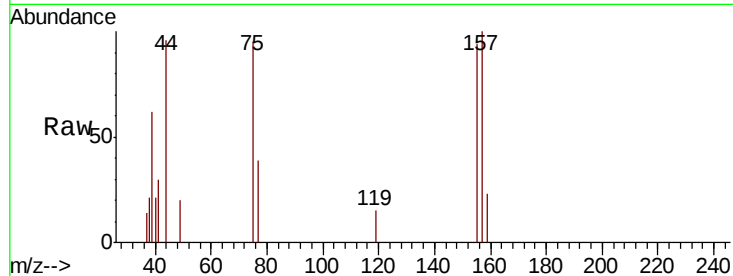
Tot Ion: 75 Resp: 1280

Ion Ratio Lower Upper

75 100

155 99.0 65.8 98.6#

157 105.5 86.3 129.5



#69

1,3,5-Trichlorobenzene

Concen: 2.064 ug/L

RT: 13.29 min Scan# 3794

Delta R.T. 0.62 min

Lab File: VV019223.D

Acq: 03 Nov 2020 02:04

Tgt Ion: 180 Resp: 4546

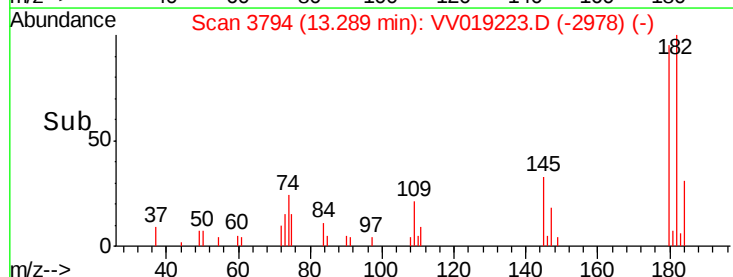
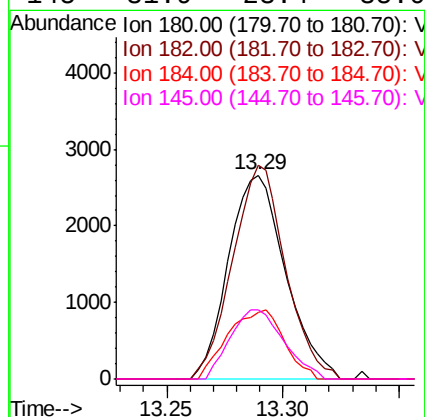
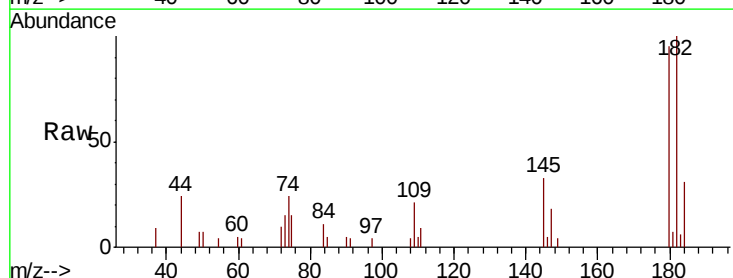
Ion Ratio Lower Upper

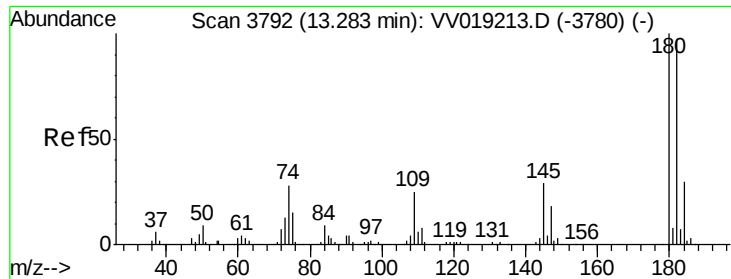
180 100

182 97.0 77.7 116.5

184 33.4 24.9 37.3

145 31.9 23.4 35.0

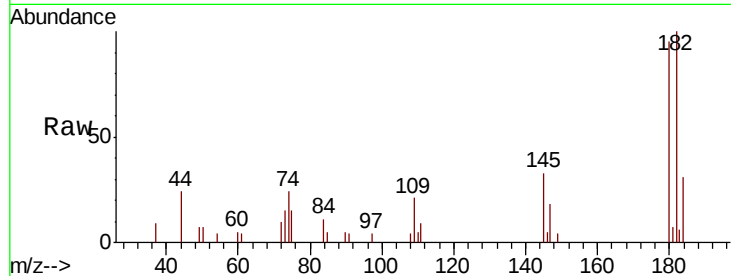




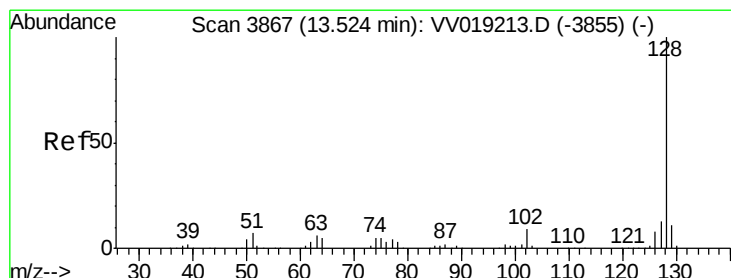
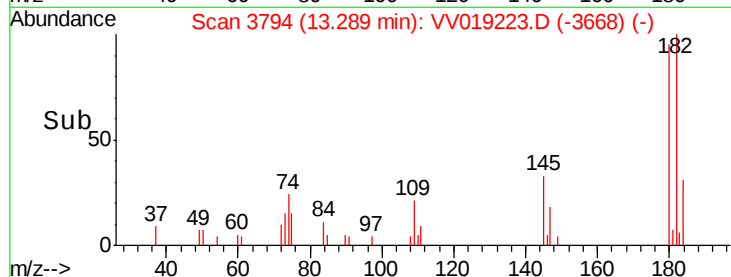
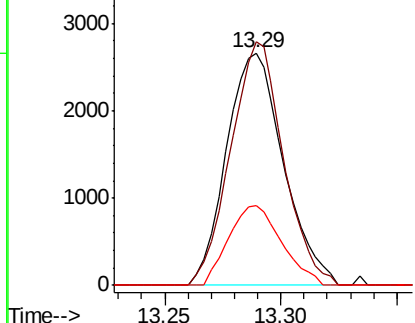
#70
 1,2,4-trichlorobenzene
 Concen: 2.193 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

Instrument :
 MSVOA_V
 ClientSampled :
 MDL-WATER-01

Tot Ion:180 Resp: 4546
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.6 114.8
 145 31.9 23.2 34.8

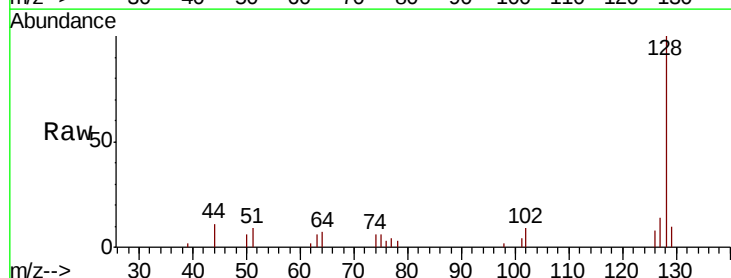


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

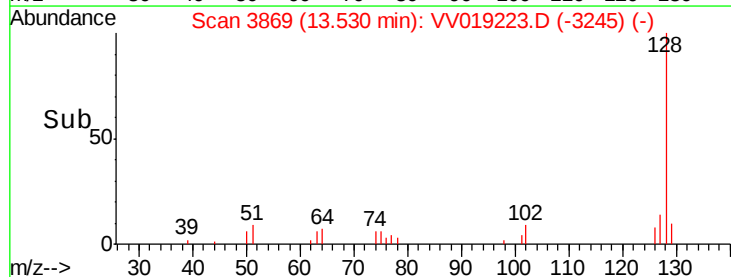
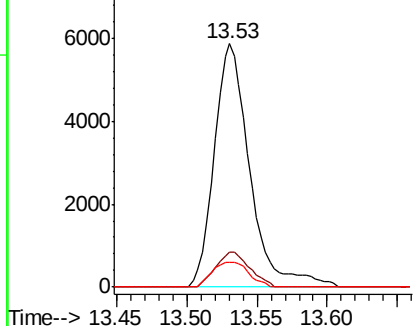


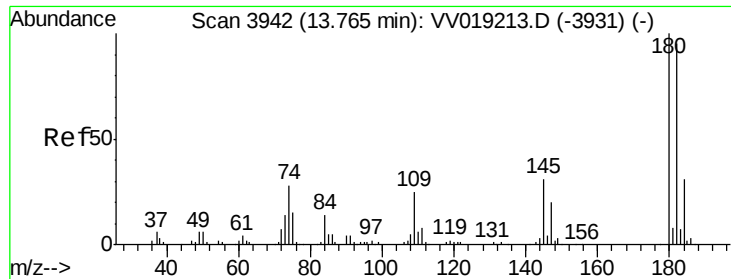
#71
 Naphthalene
 Concen: 1.757 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.01 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

Tgt Ion:128 Resp: 10268
 Ion Ratio Lower Upper
 128 100
 127 13.8 10.7 16.1
 129 10.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

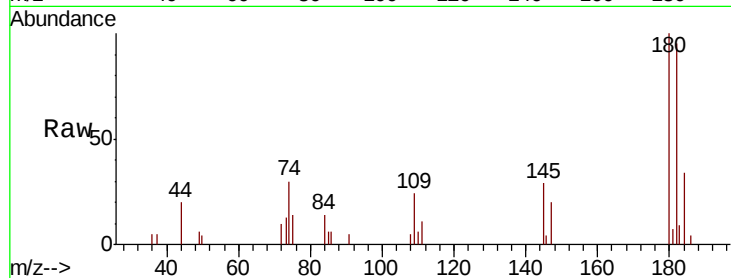




#72
 1,2,3-Trichlorobenzene
 Concen: 2.190 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.01 min
 Lab File: VV019223.D
 Acq: 03 Nov 2020 02:04

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-01

Tot Ion:180 Resp: 4499
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.4 116.0
 145 28.0 24.7 37.1



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

