

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102720\
 Data File : VX019138.D
 Acq On : 27 Oct 2020 16:04
 Operator : JC/MD
 Sample : L4214-09 .2PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Quant Time: Oct 28 03:13:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	285553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	473763	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	421671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	199433	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	174683	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	
35) Dibromofluoromethane	5.46	113	137349	46.15	ug/l	0.00
Spiked Amount			Recovery	=	92.30%	
50) Toluene-d8	8.70	98	528228	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	11.12	95	192575	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	561	0.236	ug/l	83
3) Chloromethane	1.31	50	867	0.326	ug/l	91
4) Vinyl Chloride	1.39	62	863	0.280	ug/l	89
5) Bromomethane	1.64	94	1358	0.645	ug/l #	73
6) Chloroethane	1.71	64	497	0.252	ug/l #	73
7) Trichlorofluoromethane	1.92	101	1104	0.228	ug/l	88
8) Diethyl Ether	2.17	74	477	0.256	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	2.37	101	598	0.223	ug/l	96
10) Methyl Iodide	2.50	142	1188	0.435	ug/l	98
11) Tert butyl alcohol	3.03	59	902	1.240	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	879	0.318	ug/l #	64
13) Acrolein	2.28	56	540	1.524	ug/l #	12
14) Allyl chloride	2.71	41	1208	0.288	ug/l	94
15) Acrylonitrile	3.12	53	1977	1.293	ug/l #	93
16) Acetone	2.43	43	2338	1.840	ug/l	94
17) Carbon Disulfide	2.55	76	4672	0.555	ug/l #	91
18) Methyl Acetate	2.75	43	735	0.238	ug/l #	72
19) Methyl tert-butyl Ether	3.16	73	1931	0.201	ug/l #	84
20) Methylene Chloride	2.83	84	1072	0.336	ug/l	89
21) trans-1,2-Dichloroethene	3.15	96	985	0.309	ug/l	86
22) Diisopropyl ether	3.82	45	1931	0.231	ug/l #	83
23) Vinyl Acetate	3.78	43	8412	1.129	ug/l	95
24) 1,1-Dichloroethane	3.67	63	1120	0.215	ug/l #	81
25) 2-Butanone	4.64	43	2632	1.315	ug/l #	84
26) 2,2-Dichloropropane	4.55	77	1094	0.223	ug/l	86
27) cis-1,2-Dichloroethene	4.56	96	997	0.280	ug/l	89
28) Bromochloromethane	4.98	49	679	0.286	ug/l #	83
29) Tetrahydrofuran	5.10	42	1802	1.428	ug/l #	81
30) Chloroform	5.17	83	1314	0.237	ug/l #	83
31) Cyclohexane	5.54	56	929	0.200	ug/l	98
32) 1,1,1-Trichloroethane	5.45	97	1092	0.217	ug/l #	47
36) 1,1-Dichloropropene	5.77	75	1363	0.312	ug/l #	73
37) Ethyl Acetate	4.81	43	928	0.228	ug/l #	68
38) Carbon Tetrachloride	5.76	117	1156	0.259	ug/l #	61

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102720\
 Data File : VX019138.D
 Acq On : 27 Oct 2020 16:04
 Operator : JC/MD
 Sample : L4214-09 .2PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Quant Time: Oct 28 03:13:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	1178	0.225	ug/l	94
40) Benzene	6.10	78	2943	0.237	ug/l	99
41) Methacrylonitrile	5.00	41	419	0.192	ug/l #	87
42) 1,2-Dichloroethane	6.15	62	1509	0.330	ug/l	86
43) Isopropyl Acetate	6.41	43	1745	0.257	ug/l #	78
44) Trichloroethene	7.18	130	1083	0.305	ug/l	92
45) 1,2-Dichloropropane	7.49	63	706	0.232	ug/l #	87
46) Dibromomethane	7.63	93	633	0.282	ug/l	95
47) Bromodichloromethane	7.87	83	899	0.203	ug/l #	96
48) Methyl methacrylate	7.75	41	918	0.280	ug/l #	84
49) 1,4-Dioxane	7.75	88	293	4.025	ug/l #	86
51) 4-Methyl-2-Pentanone	8.62	43	3979	1.018	ug/l	98
52) Toluene	8.77	92	2047	0.256	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	1240	0.245	ug/l #	75
54) cis-1,3-Dichloropropene	8.41	75	1339	0.252	ug/l #	91
55) 1,1,2-Trichloroethane	9.20	97	645	0.204	ug/l #	92
56) Ethyl methacrylate	9.16	69	910	0.191	ug/l #	69
57) 1,3-Dichloropropane	9.35	76	1242	0.233	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	4897	1.837	ug/l	99
59) 2-Hexanone	9.47	43	3032	1.019	ug/l	93
60) Dibromochloromethane	9.56	129	701	0.205	ug/l	97
61) 1,2-Dibromoethane	9.65	107	896	0.265	ug/l	90
64) Tetrachloroethene	9.32	164	980	0.305	ug/l	87
65) Chlorobenzene	10.12	112	2239	0.260	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	598	0.193	ug/l #	62
67) Ethyl Benzene	10.23	91	3676	0.239	ug/l	97
68) m/p-Xylenes	10.34	106	2533	0.439	ug/l	96
69) o-Xylene	10.68	106	1263	0.231	ug/l	90
70) Styrene	10.70	104	2202	0.236	ug/l	98
71) Bromoform	10.84	173	504	0.205	ug/l #	93
73) Isopropylbenzene	11.00	105	3018	0.214	ug/l	96
74) N-amyl acetate	10.88	43	1477	0.286	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.25	83	1036	0.235	ug/l #	81
76) 1,2,3-Trichloropropane	11.12	75	97003	23.557	ug/l #	36
77) Bromobenzene	11.24	156	992	0.283	ug/l	91
78) n-propylbenzene	11.34	91	4019	0.249	ug/l	97
79) 2-Chlorotoluene	11.40	91	2500	0.264	ug/l	93
80) 1,3,5-Trimethylbenzene	11.49	105	2692	0.226	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.12	75	97003	62.024	ug/l #	12
82) 4-Chlorotoluene	11.49	91	3507	0.303	ug/l	97
83) tert-Butylbenzene	11.76	119	2594	0.227	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	2655	0.221	ug/l	93
85) sec-Butylbenzene	11.93	105	2950	0.215	ug/l	98
86) p-Isopropyltoluene	12.05	119	2958	0.234	ug/l #	74
87) 1,3-Dichlorobenzene	12.01	146	2053	0.315	ug/l	94
88) 1,4-Dichlorobenzene	12.01	146	2053	0.302	ug/l	95
89) n-Butylbenzene	12.37	91	2976	0.250	ug/l	99
90) Hexachloroethane	12.57	117	408	0.190	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	1644	0.262	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.98	75	224	0.207	ug/l	84

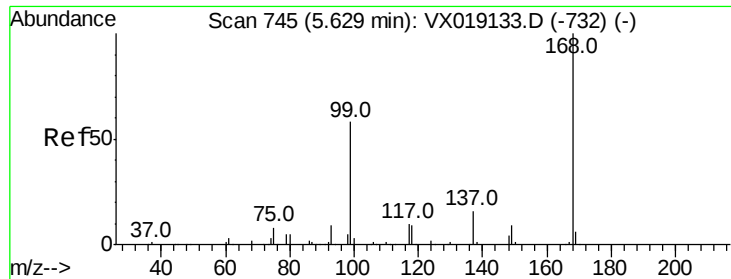
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102720\
Data File : VX019138.D
Acq On : 27 Oct 2020 16:04
Operator : JC/MD
Sample : L4214-09 .2PPB MDL
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Quant Time: Oct 28 03:13:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	1596	0.339	ug/l	95
94) Hexachlorobutadiene	13.77	225	512	0.247	ug/l	84
95) Naphthalene	13.82	128	4112	0.277	ug/l	97
96) 1,2,3-Trichlorobenzene	14.00	180	1315	0.288	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

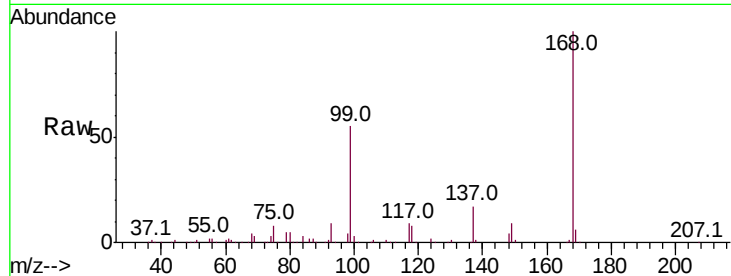
MDL-WATER-03-QT4-2020

Tot Ion:168 Resp: 285553

Ion Ratio Lower Upper

168 100

99 55.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

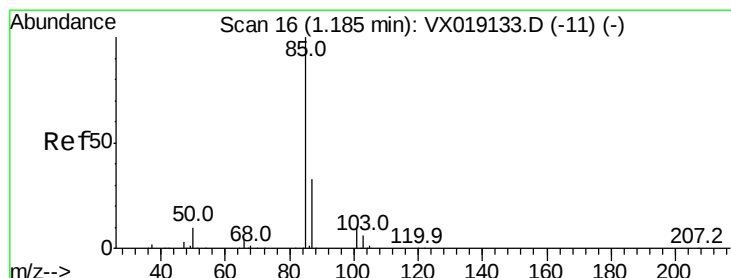
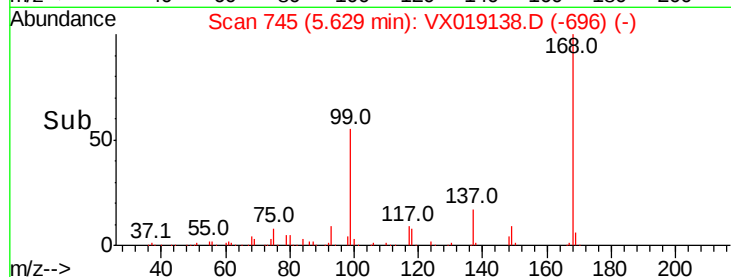
40000

20000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 0.236 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019138.D

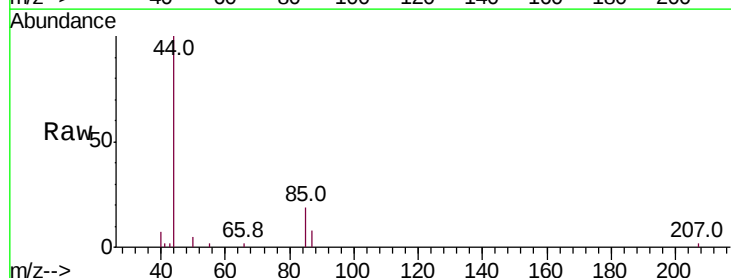
Acq: 27 Oct 2020 16:04

Tgt Ion: 85 Resp: 561

Ion Ratio Lower Upper

85 100

87 42.5 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

600

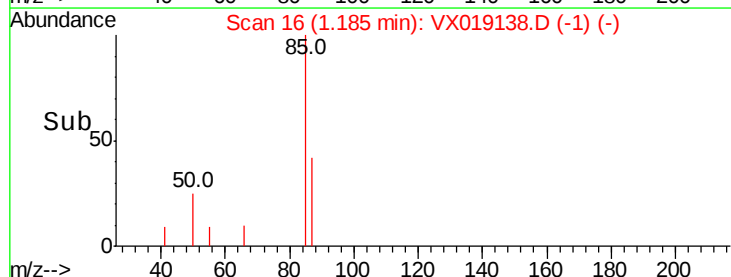
400

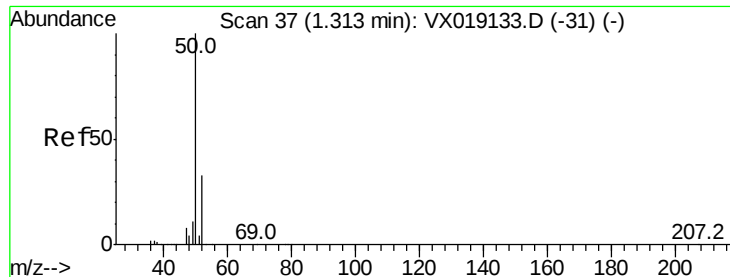
200

0

Time-->

1.14 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: 0.326 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

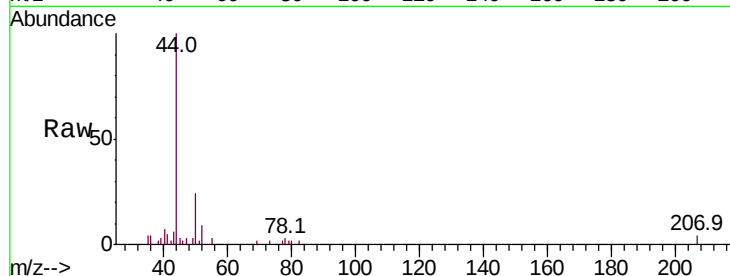
MDL-WATER-03-QT4-2020

Tot Ion: 50 Resp: 867

Ion Ratio Lower Upper

50 100

52 38.6 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

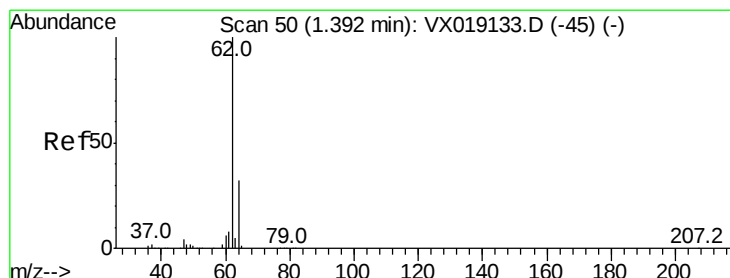
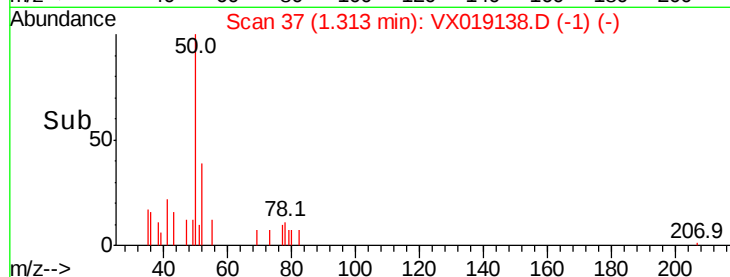
600

400

200

0

Time-->



#4

Vinyl Chloride

Concen: 0.280 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019138.D

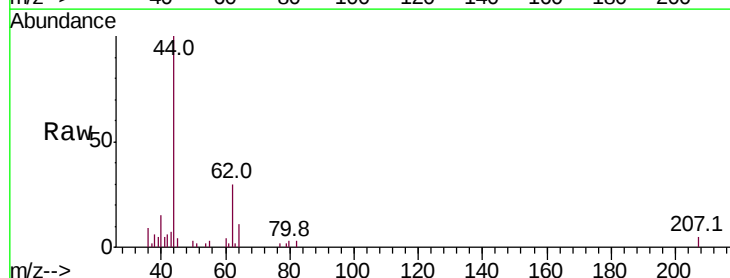
Acq: 27 Oct 2020 16:04

Tgt Ion: 62 Resp: 863

Ion Ratio Lower Upper

62 100

64 38.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

800

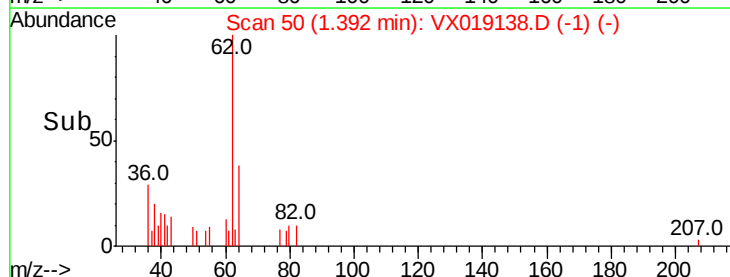
600

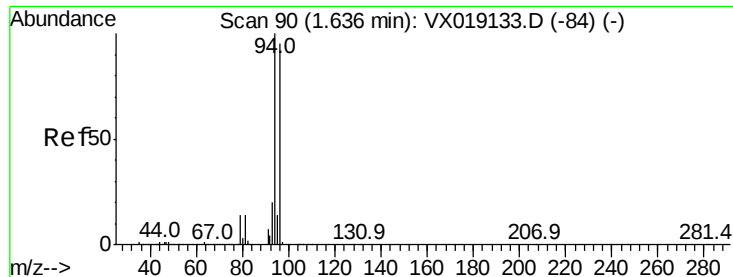
400

200

0

Time-->





#5

Bromomethane

Concen: 0.645 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

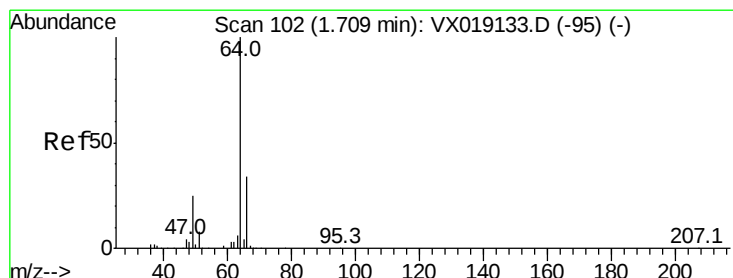
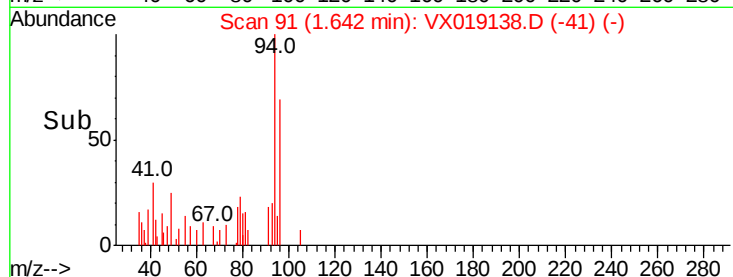
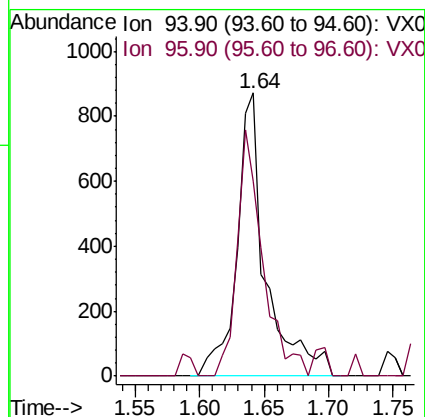
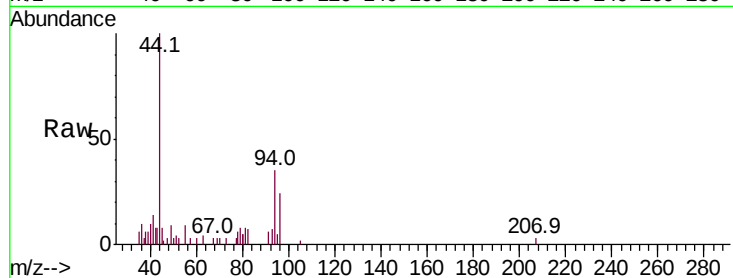
MDL-WATER-03-QT4-2020

Tot Ion: 94 Resp: 1358

Ion Ratio Lower Upper

94 100

96 68.7 76.0 114.0#



#6

Chloroethane

Concen: 0.252 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX019138.D

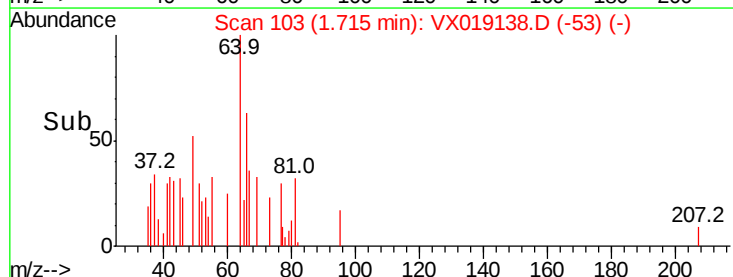
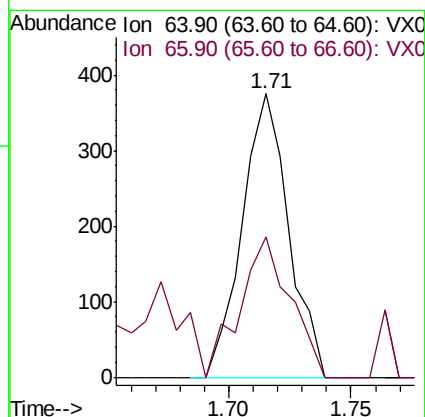
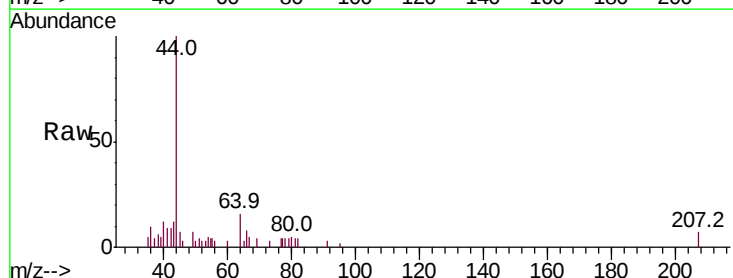
Acq: 27 Oct 2020 16:04

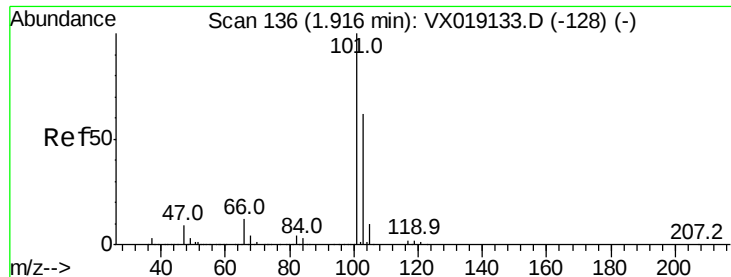
Tgt Ion: 64 Resp: 497

Ion Ratio Lower Upper

64 100

66 49.3 27.1 40.7#





#7

Trichlorofluoromethane

Concen: 0.228 ug/l

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

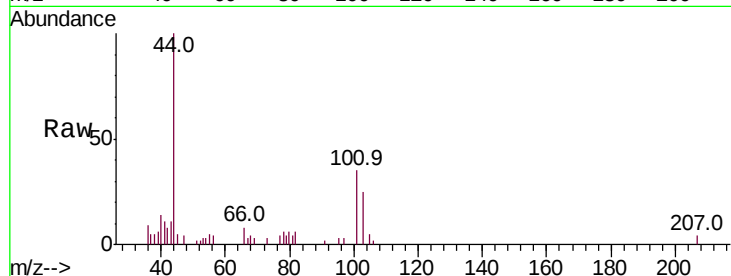
MDL-WATER-03-QT4-2020

Tot Ion:101 Resp: 1104

Ion Ratio Lower Upper

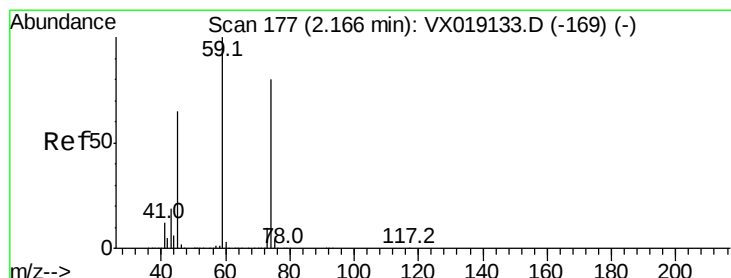
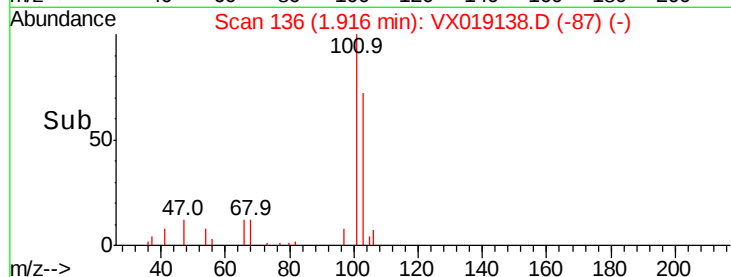
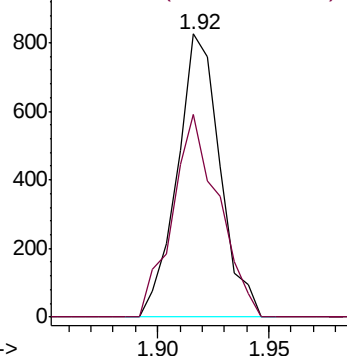
101 100

103 71.5 50.0 75.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 0.256 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VX019138.D

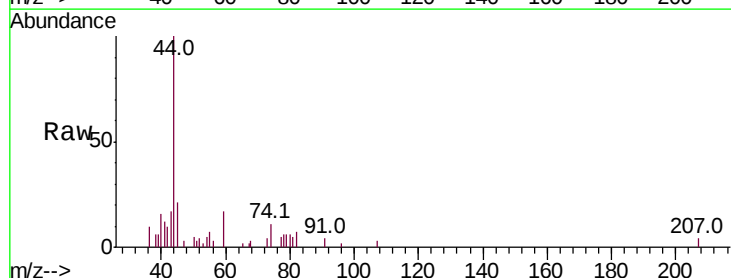
Acq: 27 Oct 2020 16:04

Tgt Ion: 74 Resp: 477

Ion Ratio Lower Upper

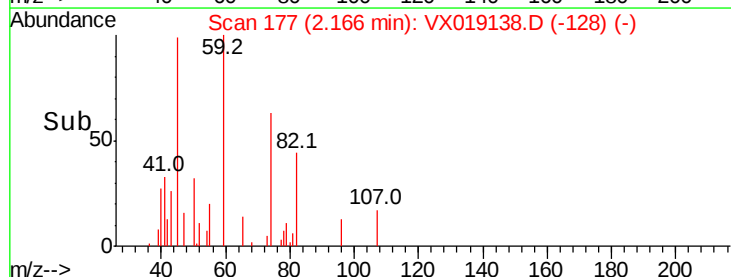
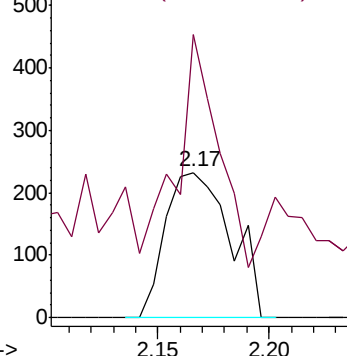
74 100

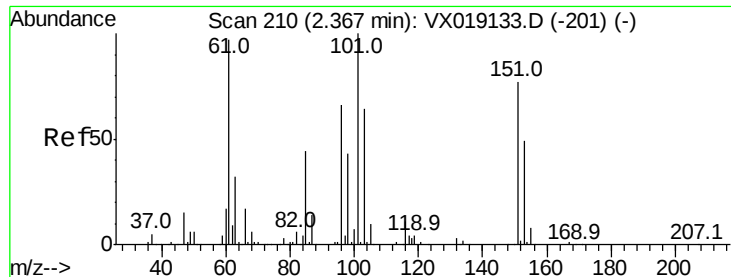
45 100.4 41.0 123.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.223 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

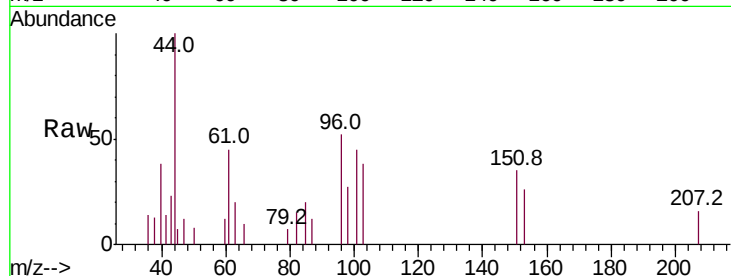
Tot Ion:101 Resp: 598

Ion Ratio Lower Upper

101 100

85 43.8 35.0 52.4

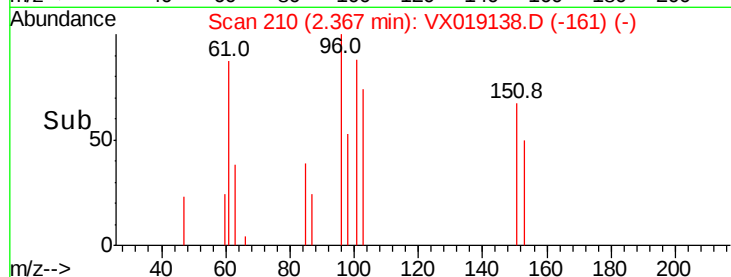
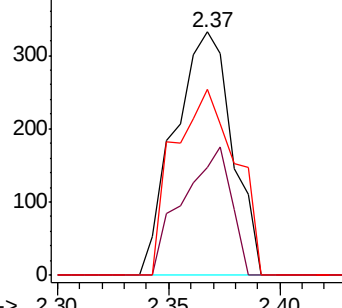
151 81.8 61.4 92.2



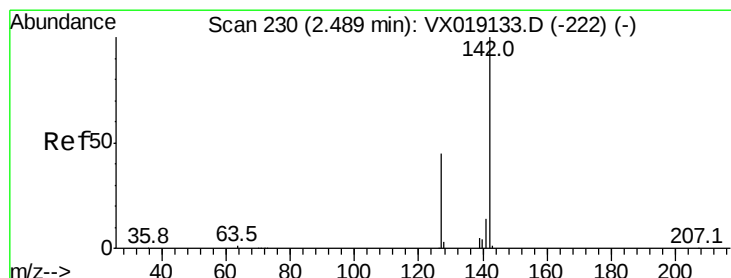
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



Time--> 2.30 2.35 2.40



#10

Methyl Iodide

Concen: 0.435 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

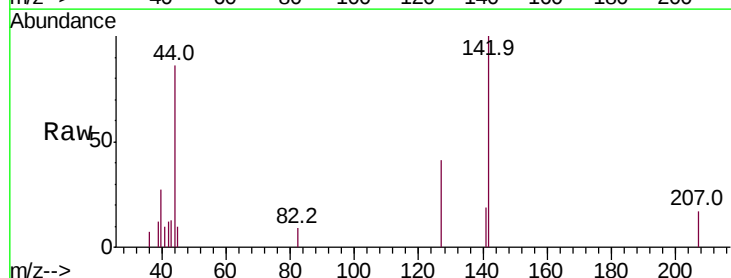
Tgt Ion:142 Resp: 1188

Ion Ratio Lower Upper

142 100

127 46.6 36.1 54.1

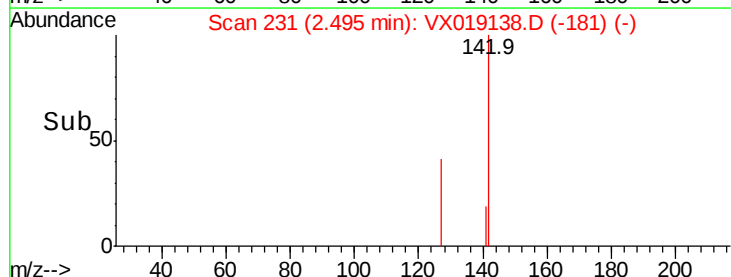
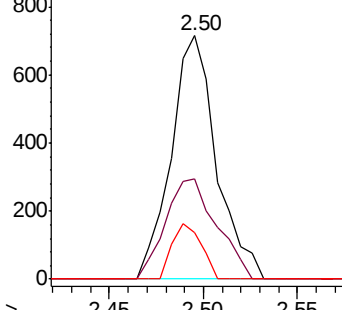
141 14.7 11.3 16.9



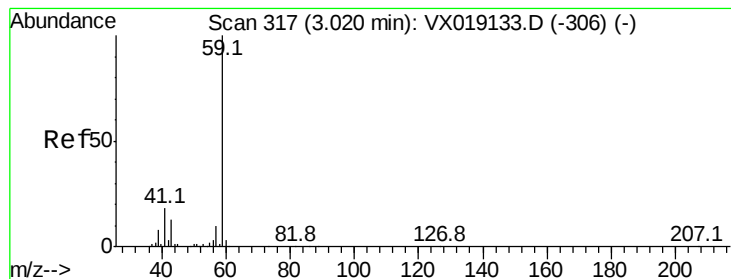
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time--> 2.45 2.50 2.55

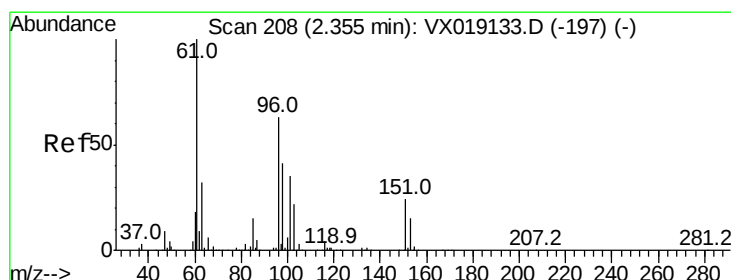
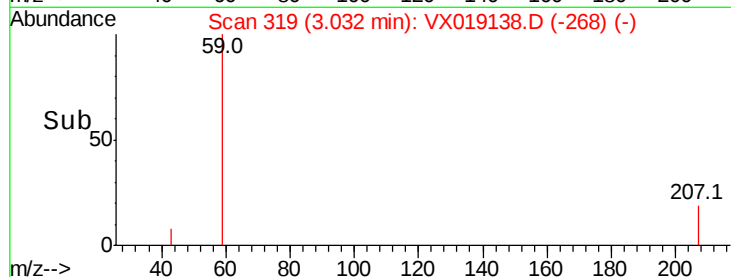
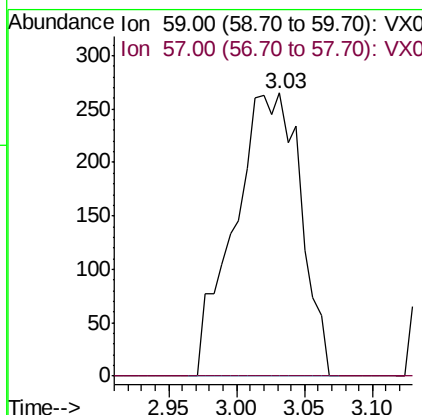
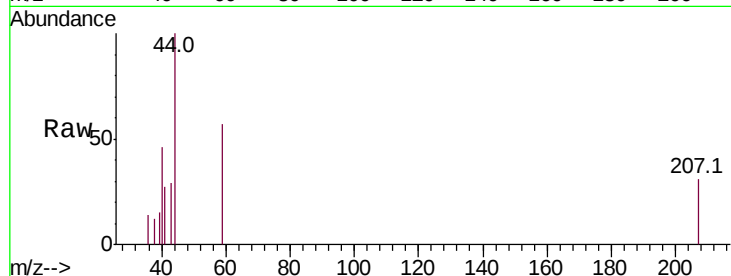


#11

Tert butyl alcohol
Concen: 1.240 ug/l
RT: 3.03 min Scan# 319
Delta R.T. 0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

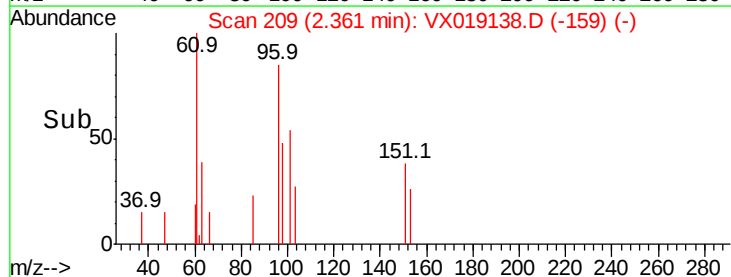
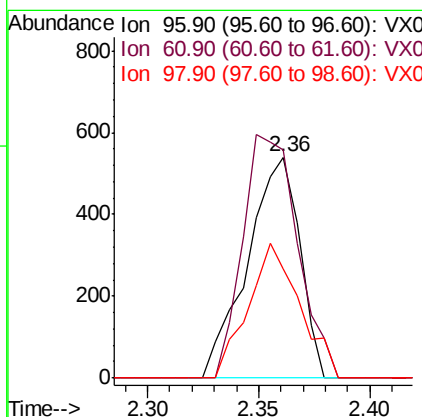
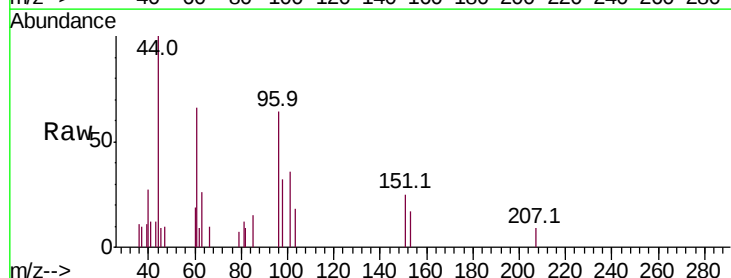
Tot Ion: 59 Resp: 902
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

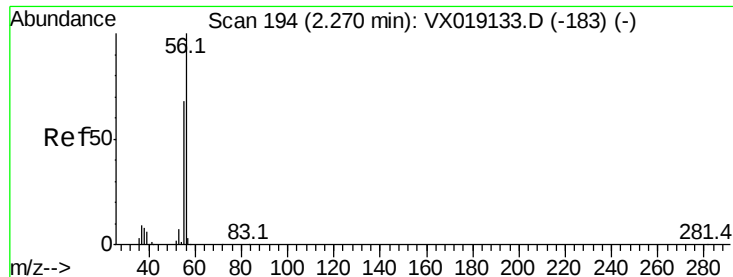


#12

1,1-Dichloroethene
Concen: 0.318 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 96 Resp: 879
Ion Ratio Lower Upper
96 100
61 103.3 127.7 191.5#
98 49.5 52.1 78.1#





#13

Acrolein

Concen: 1.524 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

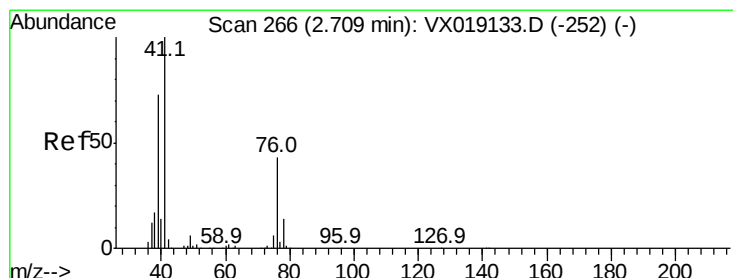
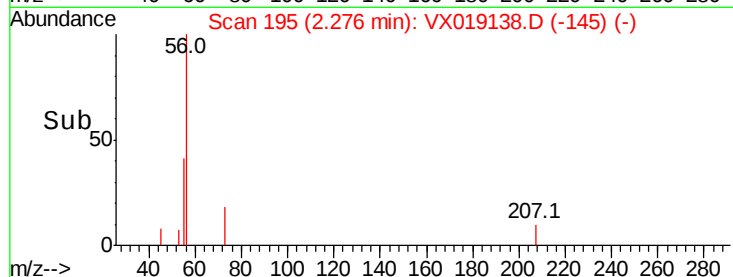
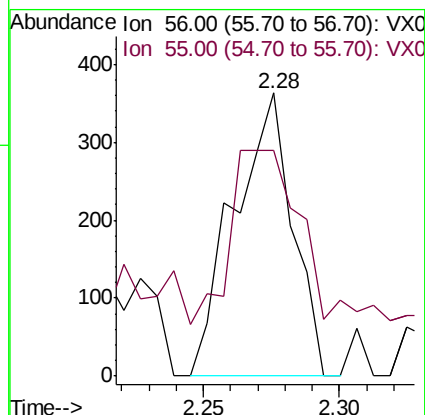
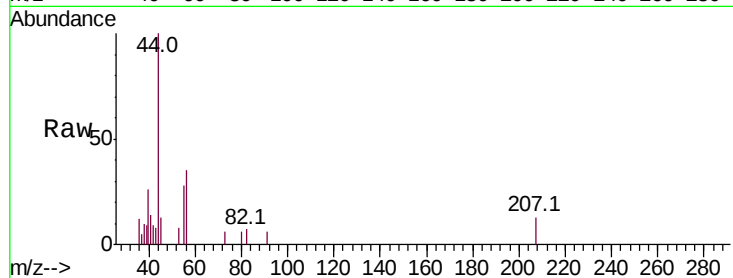
MDL-WATER-03-QT4-2020

Tot Ion: 56 Resp: 540

Ion Ratio Lower Upper

56 100

55 139.8 54.7 82.1#



#14

Allyl chloride

Concen: 0.288 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

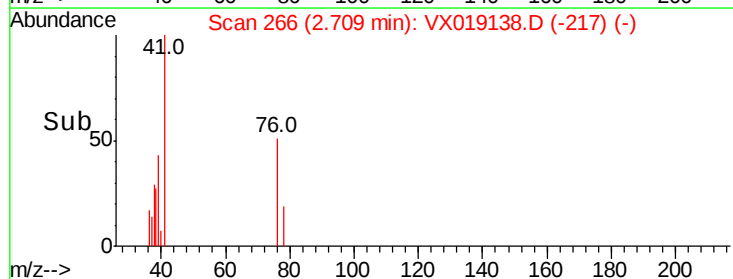
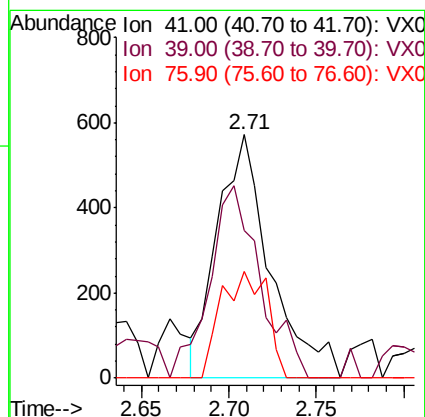
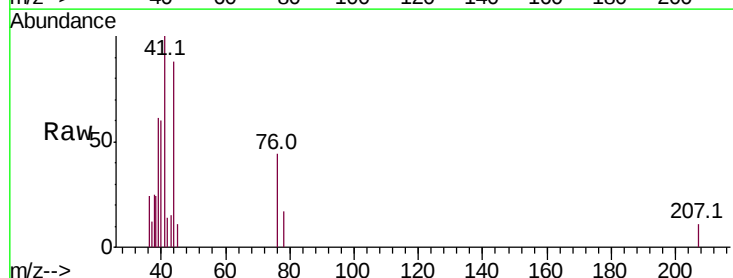
Tgt Ion: 41 Resp: 1208

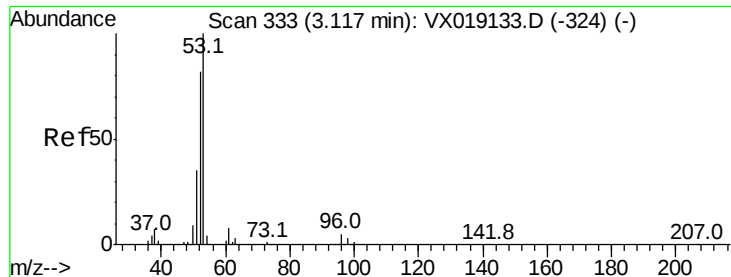
Ion Ratio Lower Upper

41 100

39 75.8 55.2 82.8

76 37.9 31.5 47.3





#15

Acrylonitrile

Concen: 1.293 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

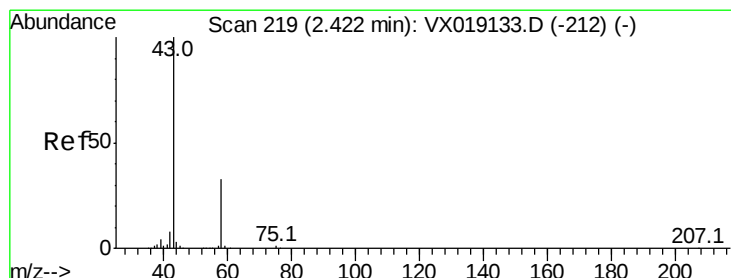
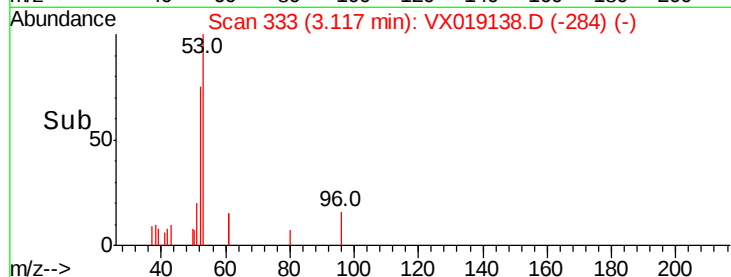
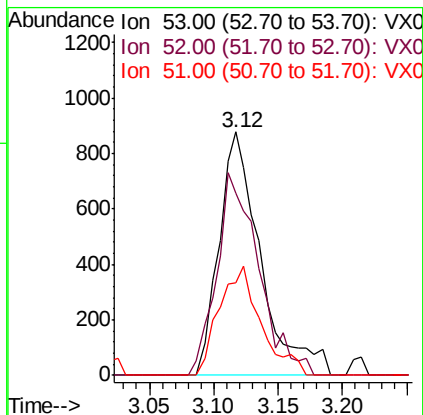
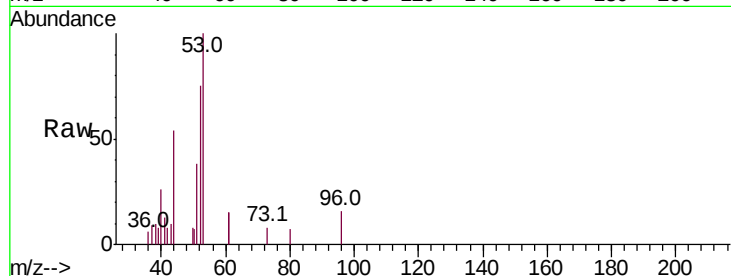
Tot Ion: 53 Resp: 1977

Ion Ratio Lower Upper

53 100

52 84.3 65.7 98.5

51 45.0 28.4 42.6#



#16

Acetone

Concen: 1.840 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019138.D

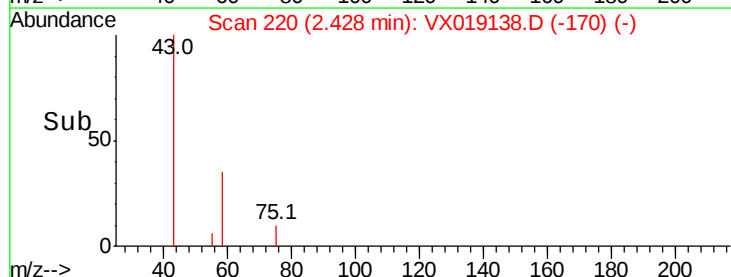
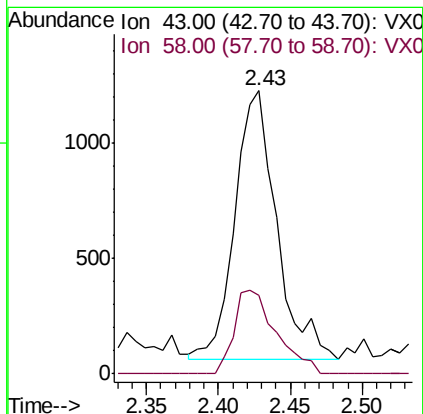
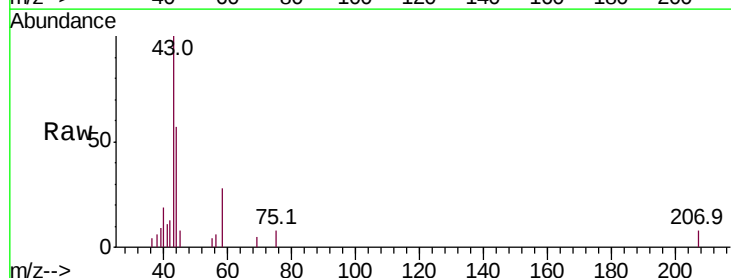
Acq: 27 Oct 2020 16:04

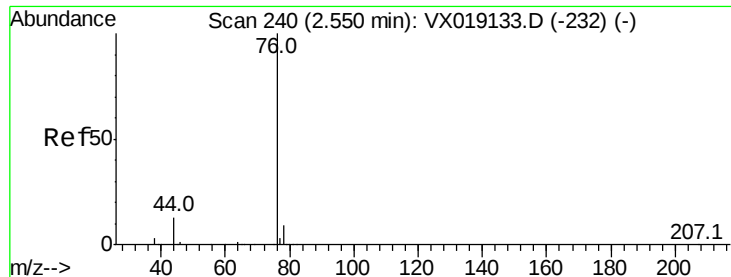
Tgt Ion: 43 Resp: 2338

Ion Ratio Lower Upper

43 100

58 29.4 26.3 39.5

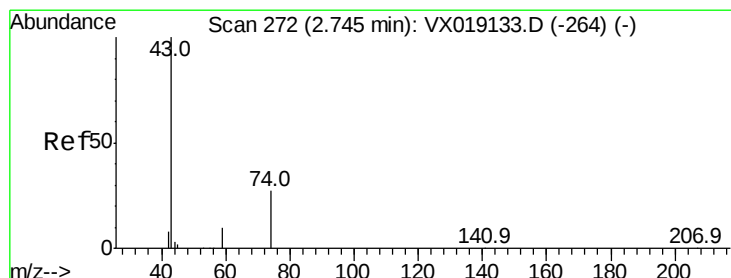
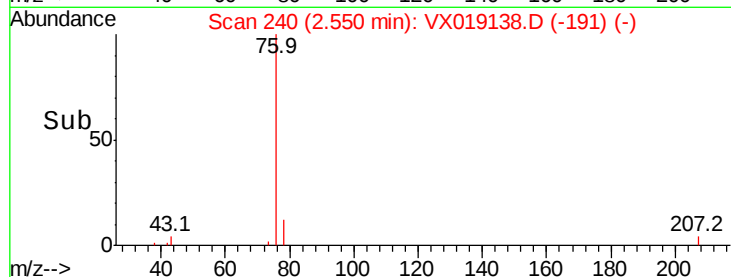
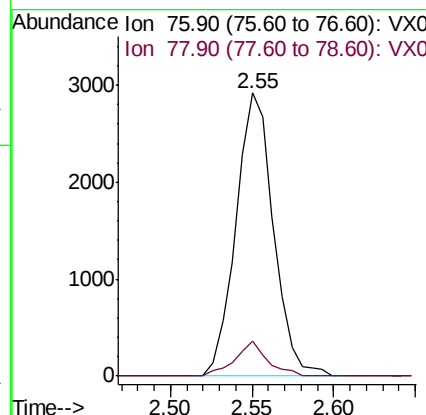
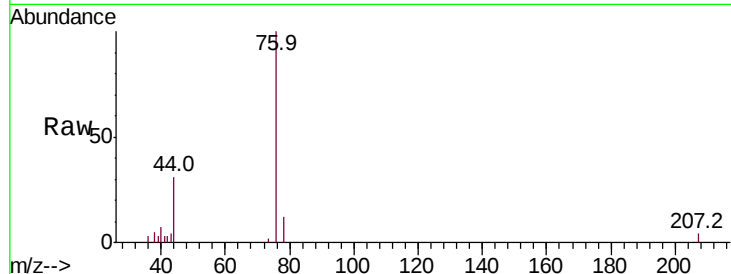




#17
Carbon Disulfide
Concen: 0.555 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

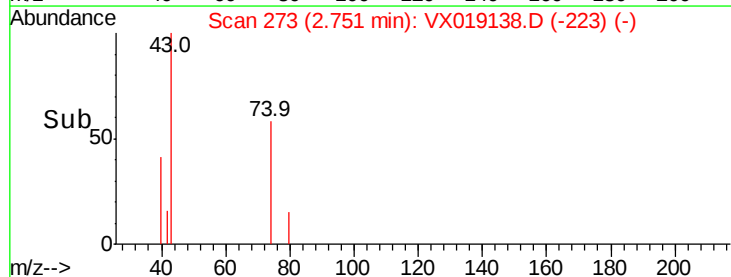
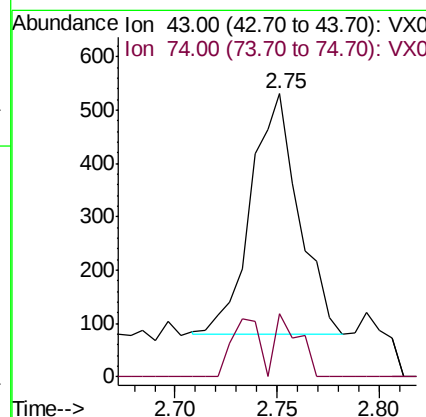
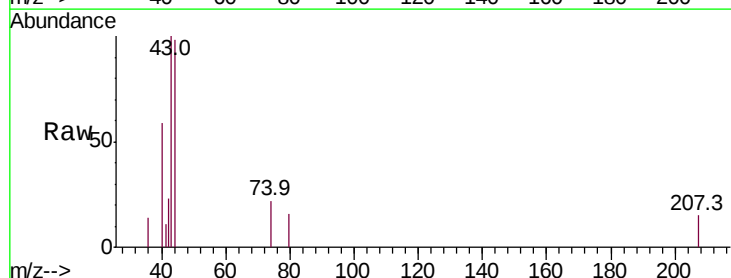
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

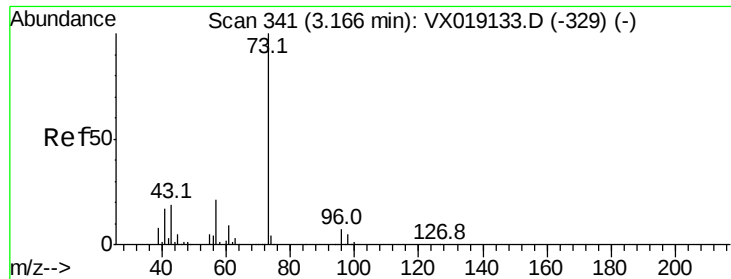
Tot Ion: 76 Resp: 4672
Ion Ratio Lower Upper
76 100
78 12.2 7.3 10.9#



#18
Methyl Acetate
Concen: 0.238 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 43 Resp: 735
Ion Ratio Lower Upper
43 100
74 13.3 22.6 33.8#





#19

Methyl tert-butyl Ether

Concen: 0.201 ug/l

RT: 3.16 min Scan# 340

Delta R.T. -0.01 min

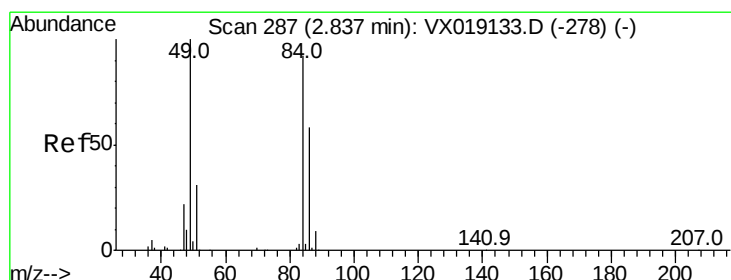
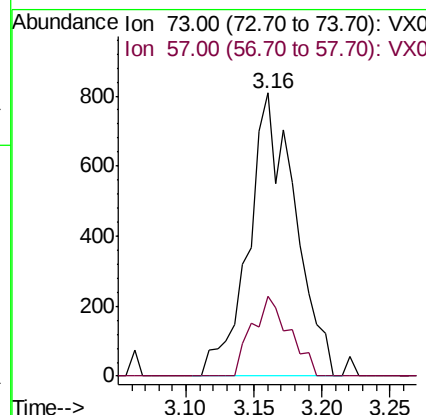
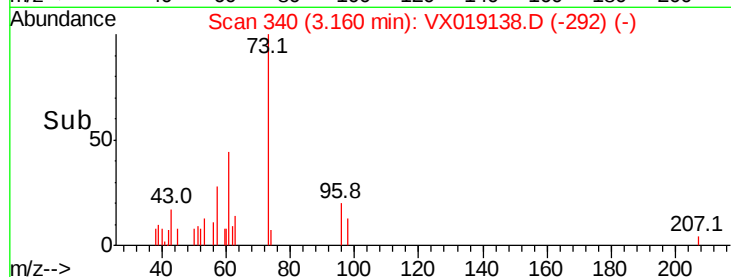
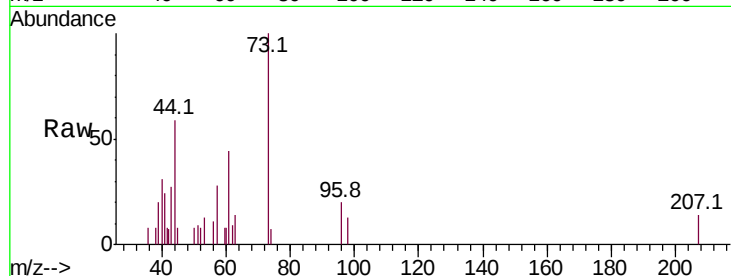
Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 73 Resp: 1931

Ion	Ratio	Lower	Upper
73	100		
57	28.3	16.6	25.0#



#20

Methylene Chloride

Concen: 0.336 ug/l

RT: 2.83 min Scan# 286

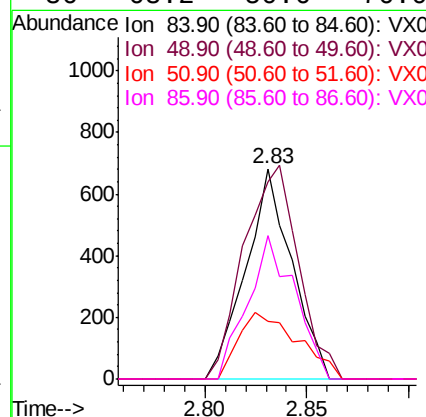
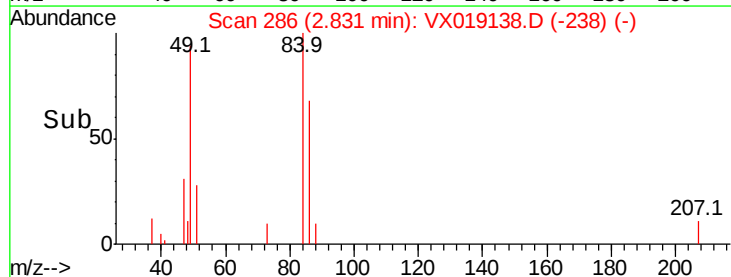
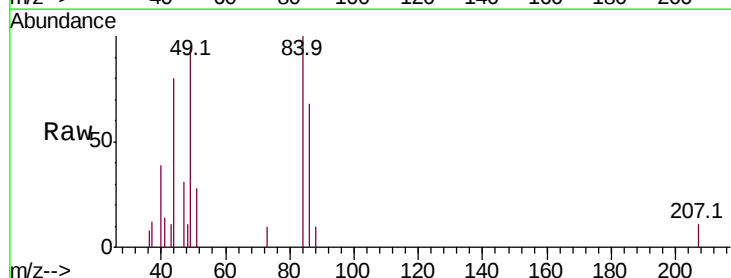
Delta R.T. -0.01 min

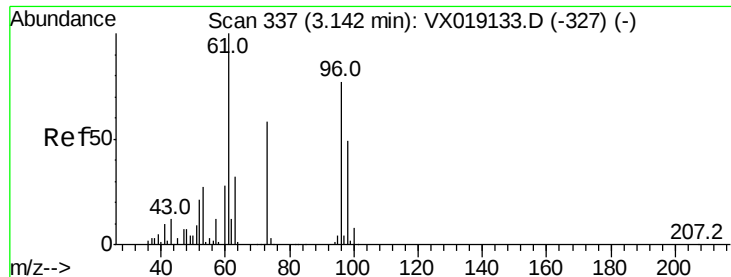
Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Tgt Ion: 84 Resp: 1072

Ion	Ratio	Lower	Upper
84	100		
49	93.9	86.8	130.2
51	27.5	27.3	40.9
86	68.2	50.6	76.0





#21

trans-1,2-Dichloroethene

Concen: 0.309 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

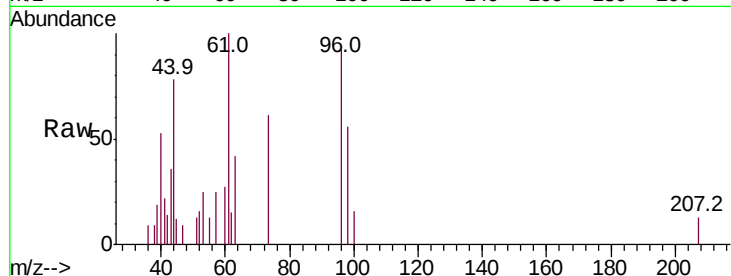
Tot Ion: 96 Resp: 985

Ion Ratio Lower Upper

96 100

61 109.0 104.2 156.4

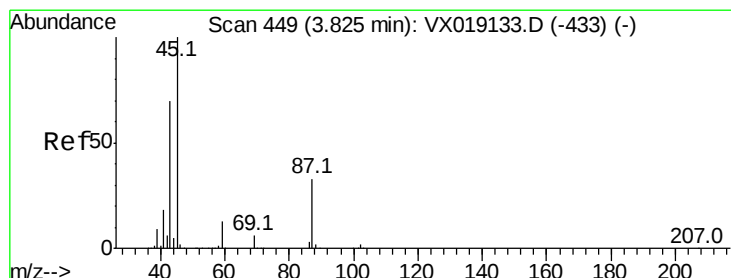
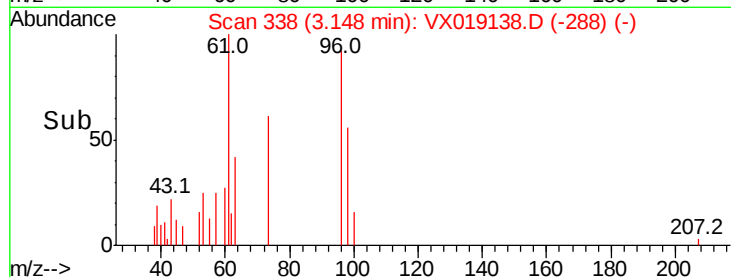
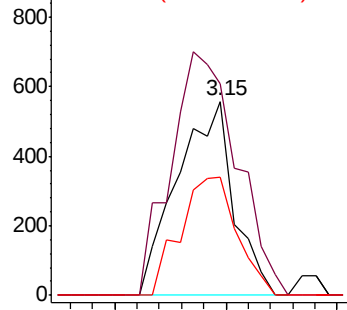
98 60.9 51.3 76.9



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 0.231 ug/l

RT: 3.82 min Scan# 448

Delta R.T. -0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Tgt Ion: 45 Resp: 1931

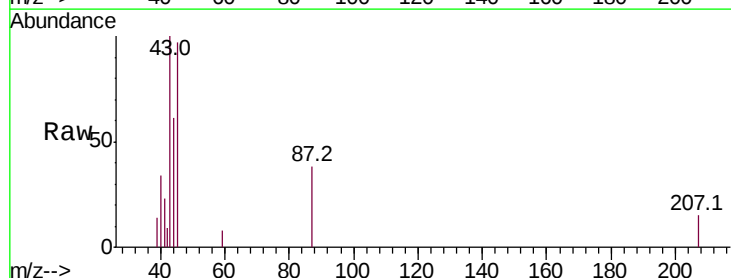
Ion Ratio Lower Upper

45 100

43 87.3 56.2 84.4#

87 38.7 26.2 39.2

59 8.1 10.1 15.1#

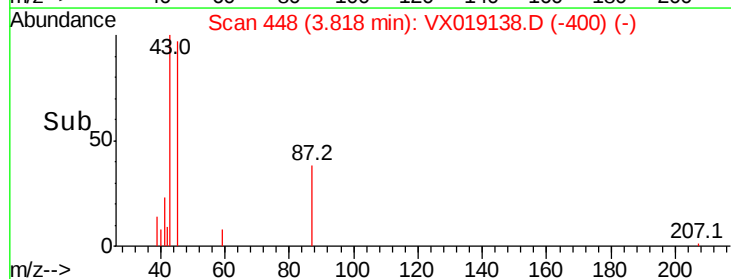
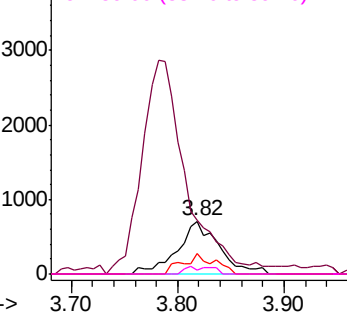


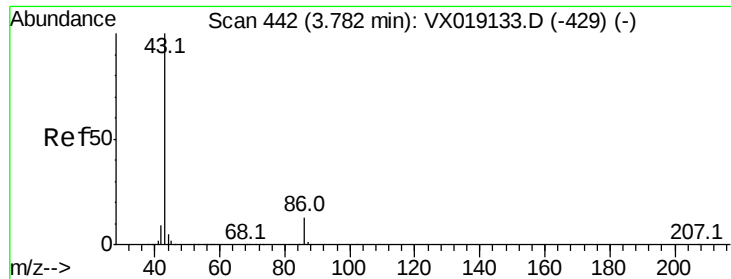
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

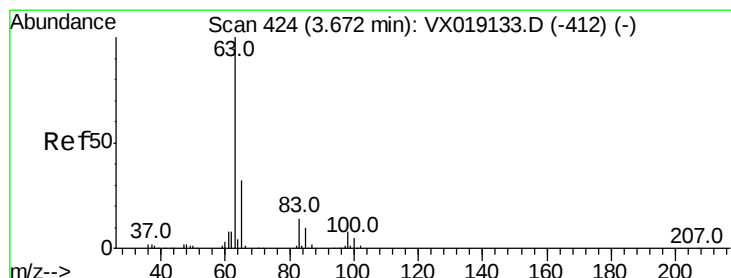
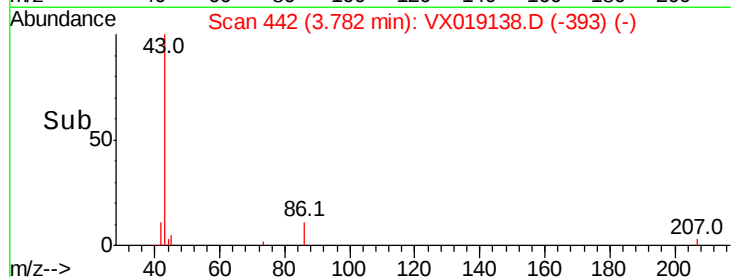
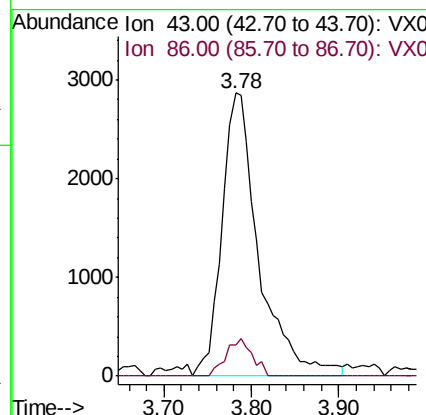
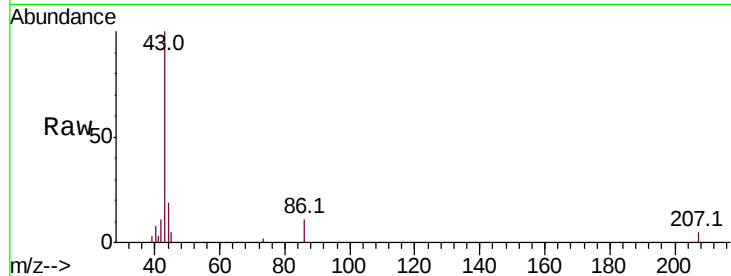




#23
 Vinyl Acetate
 Concen: 1.129 ug/l
 RT: 3.78 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

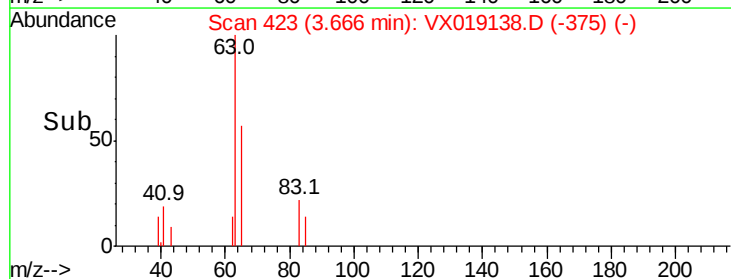
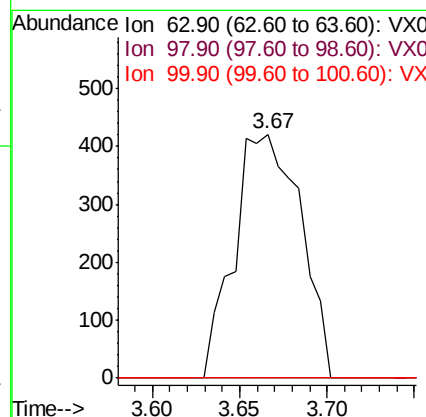
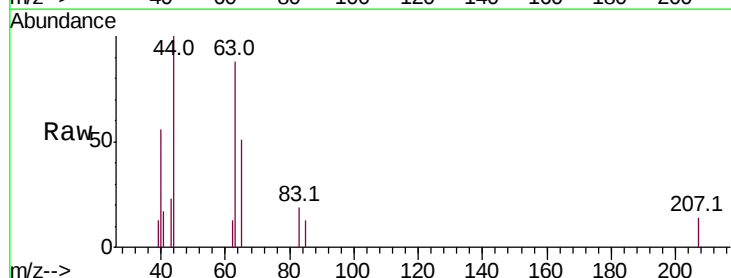
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

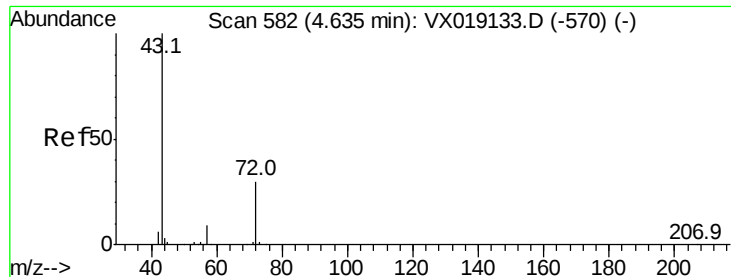
Tot Ion: 43 Resp: 8412
 Ion Ratio Lower Upper
 43 100
 86 10.9 10.4 15.6



#24
 1,1-Dichloroethane
 Concen: 0.215 ug/l
 RT: 3.67 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Tgt Ion: 63 Resp: 1120
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.8 11.4#
 100 0.0 2.4 7.2#





#25

2-Butanone

Concen: 1.315 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

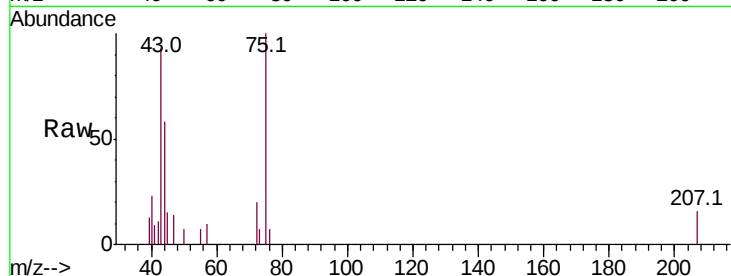
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 2632

Ion Ratio Lower Upper

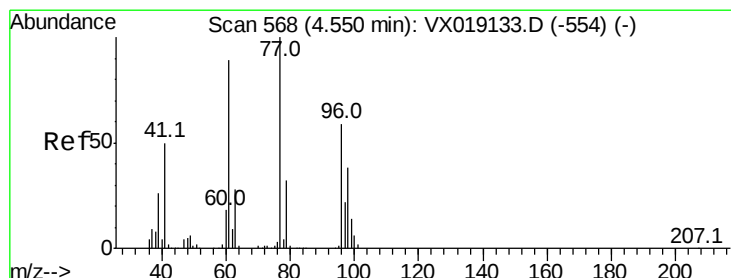
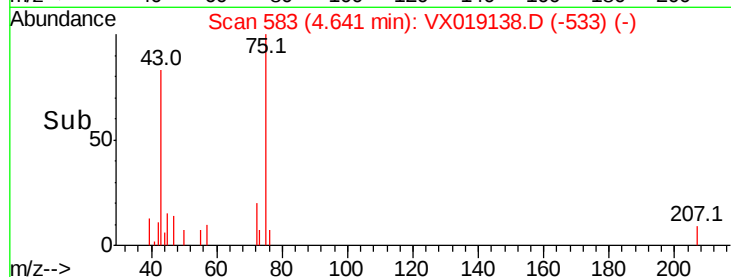
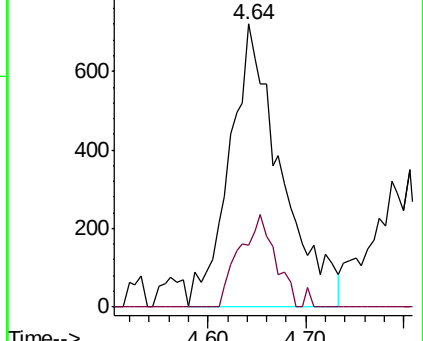
43 100

72 21.8 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.223 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.00 min

Lab File: VX019138.D

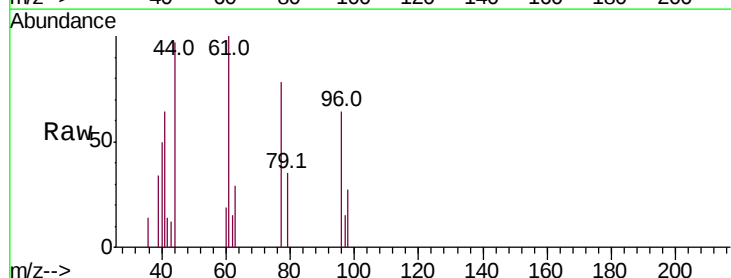
Acq: 27 Oct 2020 16:04

Tgt Ion: 77 Resp: 1094

Ion Ratio Lower Upper

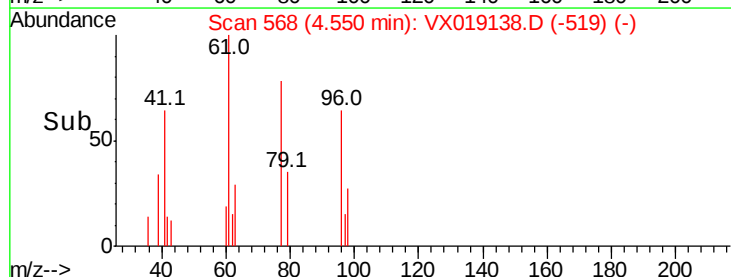
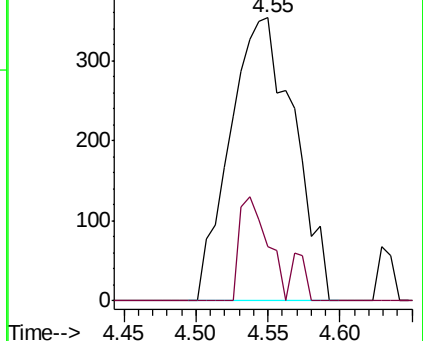
77 100

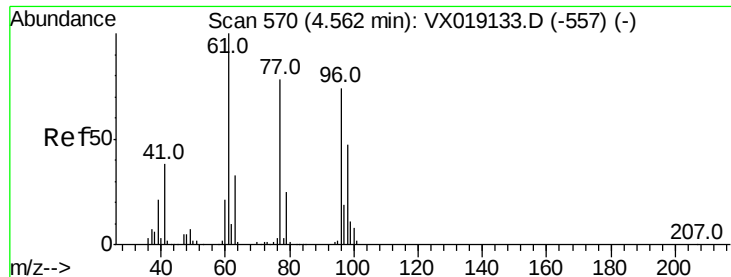
97 16.0 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



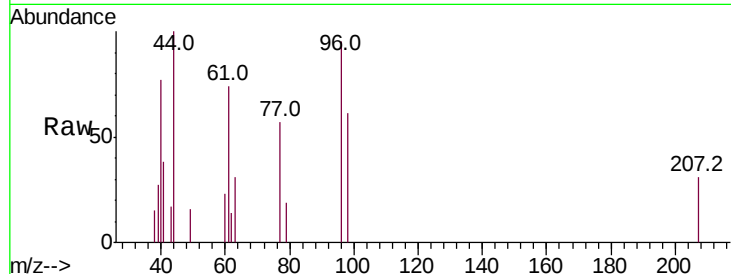


#27

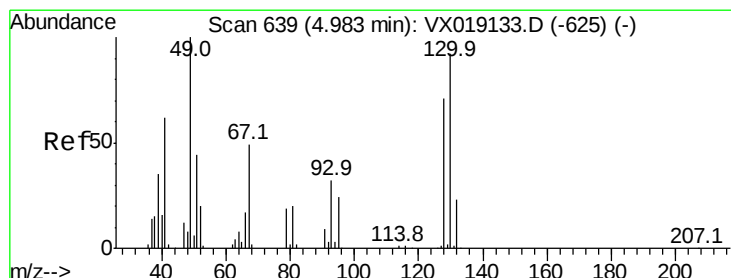
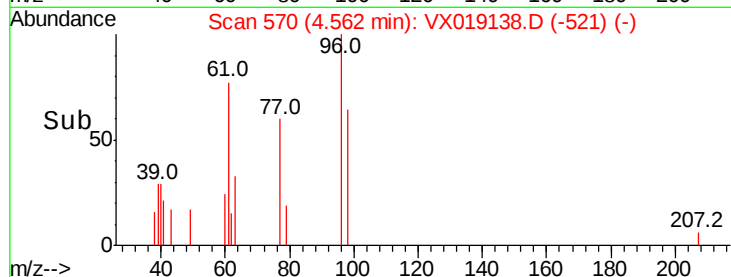
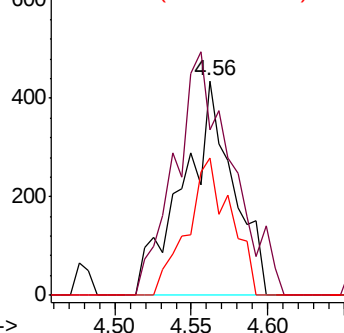
cis-1,2-Dichloroethene
Concen: 0.280 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 96 Resp: 997
Ion Ratio Lower Upper
96 100
61 127.8 0.0 278.8
98 55.2 0.0 130.2



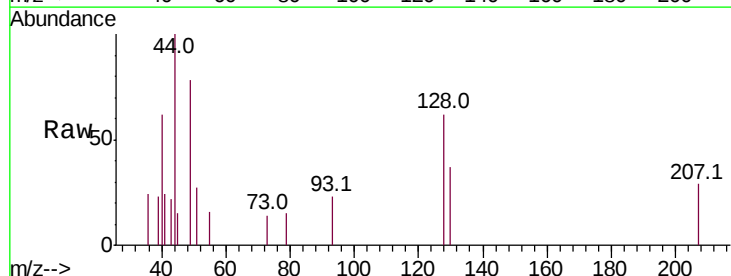
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



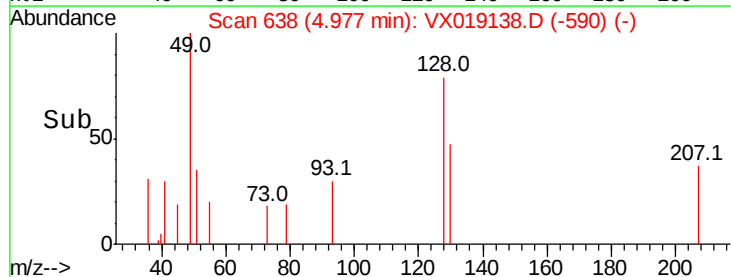
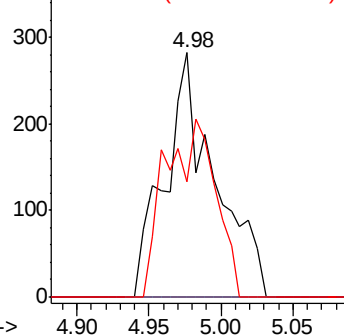
#28

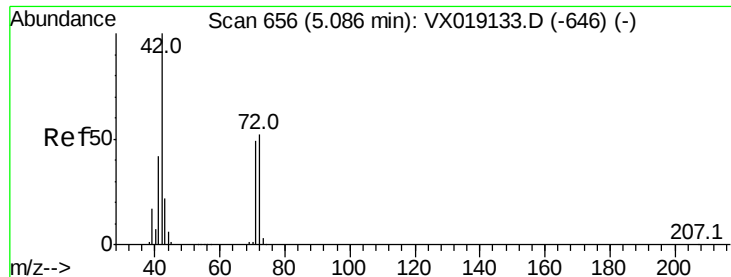
Bromochloromethane
Concen: 0.286 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 49 Resp: 679
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 72.9 71.3 106.9



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 1.428 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

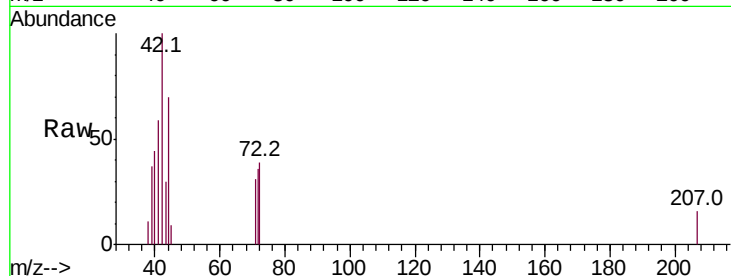
Tot Ion: 42 Resp: 1802

Ion Ratio Lower Upper

42 100

72 41.1 42.6 63.8#

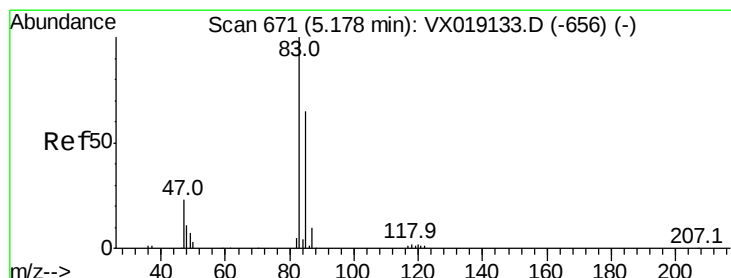
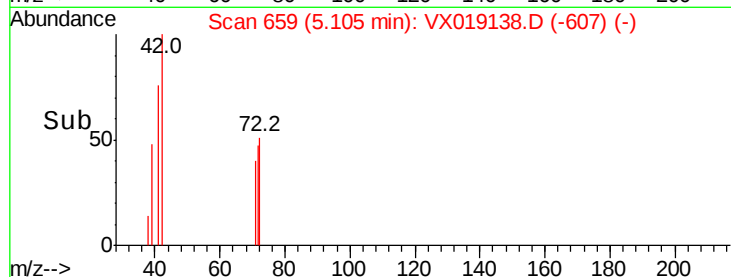
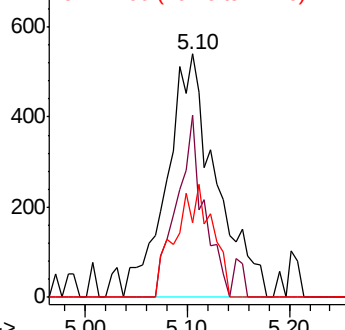
71 34.6 39.7 59.5#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 0.237 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX019138.D

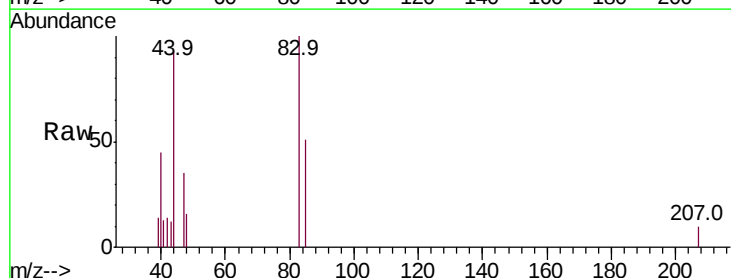
Acq: 27 Oct 2020 16:04

Tgt Ion: 83 Resp: 1314

Ion Ratio Lower Upper

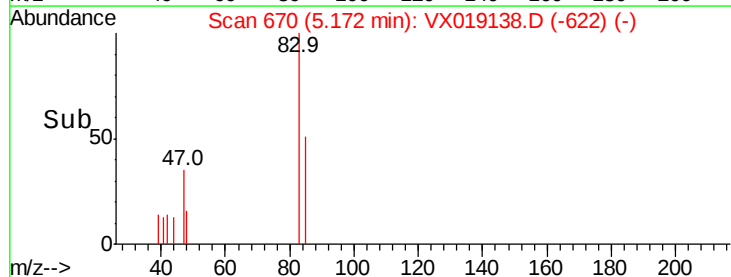
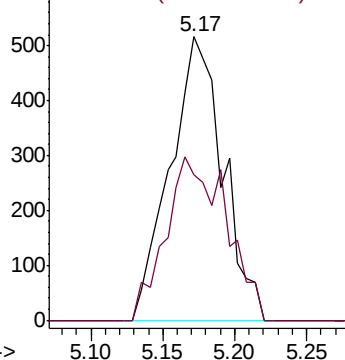
83 100

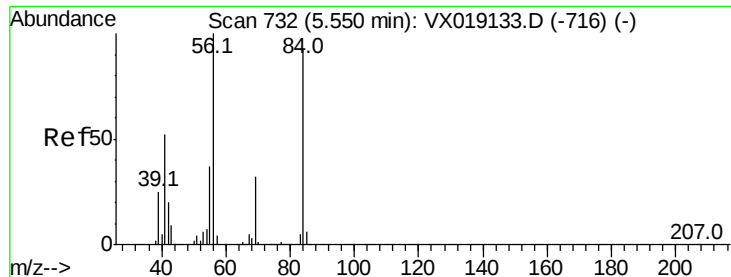
85 51.4 51.9 77.9#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

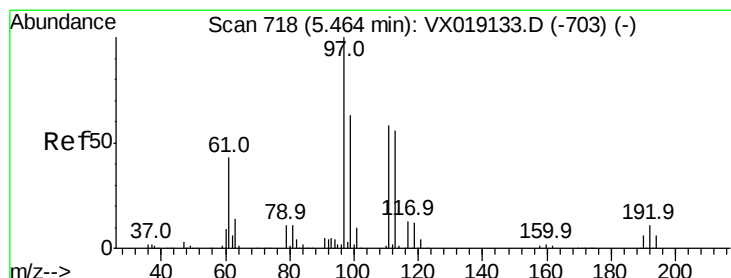
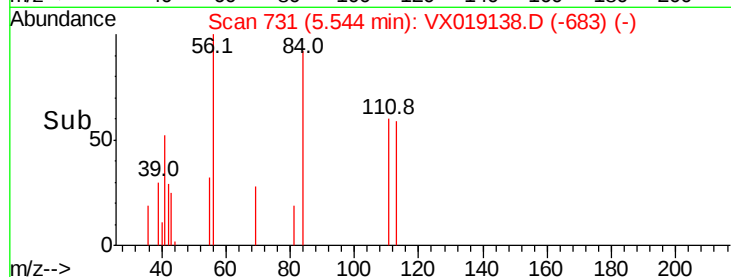
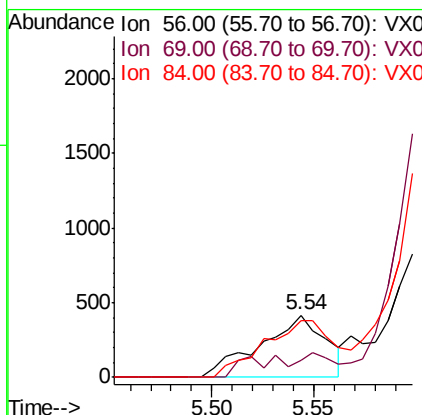
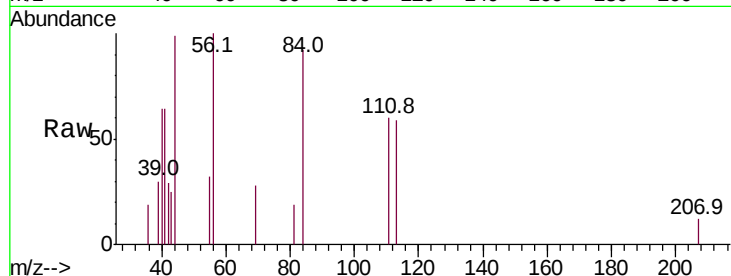




#31
Cyclohexane
Concen: 0.200 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

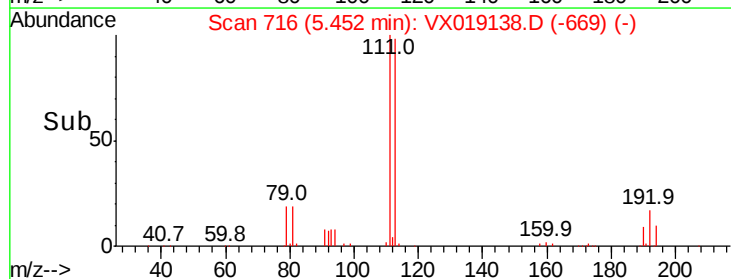
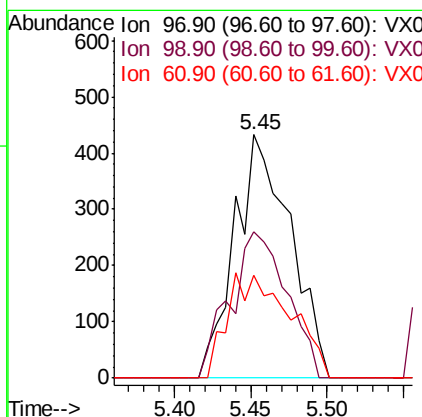
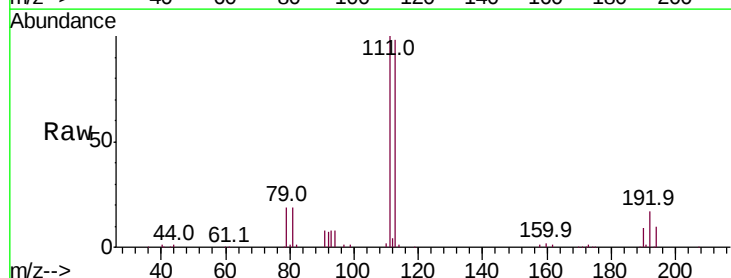
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

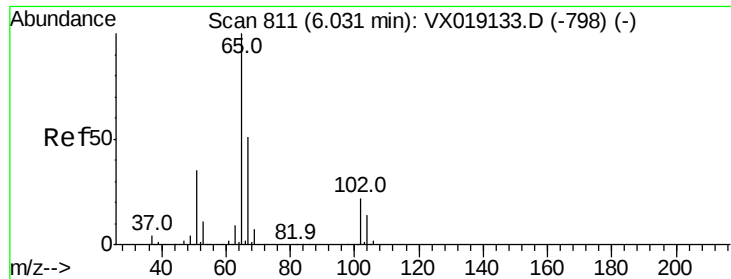
Tot Ion: 56 Resp: 929
Ion Ratio Lower Upper
56 100
69 27.9 25.9 38.9
84 92.1 73.4 110.2



#32
1,1,1-Trichloroethane
Concen: 0.217 ug/l
RT: 5.45 min Scan# 716
Delta R.T. -0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 97 Resp: 1092
Ion Ratio Lower Upper
97 100
99 0.0 51.7 77.5#
61 48.4 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 47.435 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

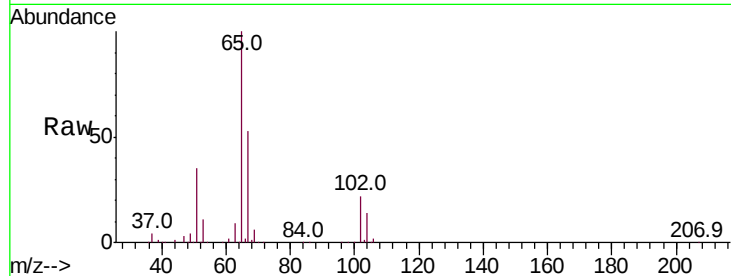
MDL-WATER-03-QT4-2020

Tot Ion: 65 Resp: 174683

Ion Ratio Lower Upper

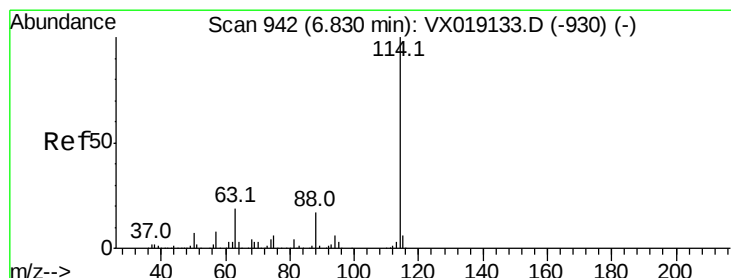
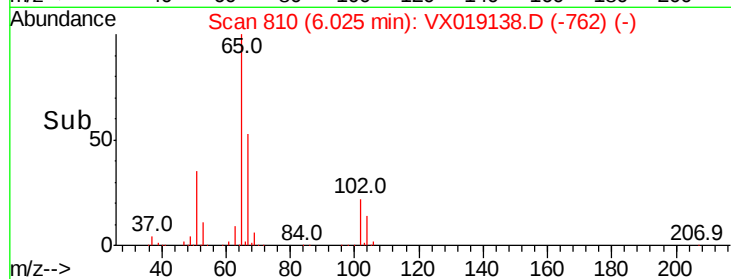
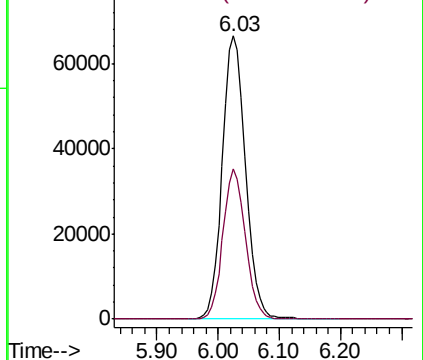
65 100

67 51.4 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

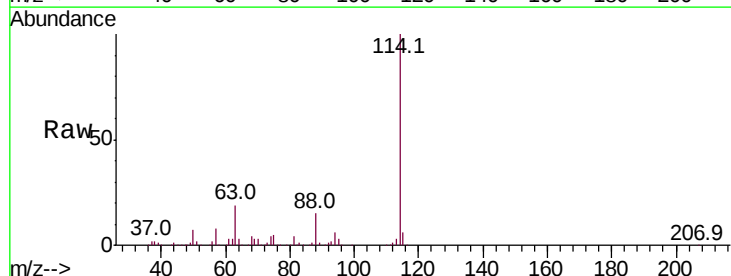
Tgt Ion: 114 Resp: 473763

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.8

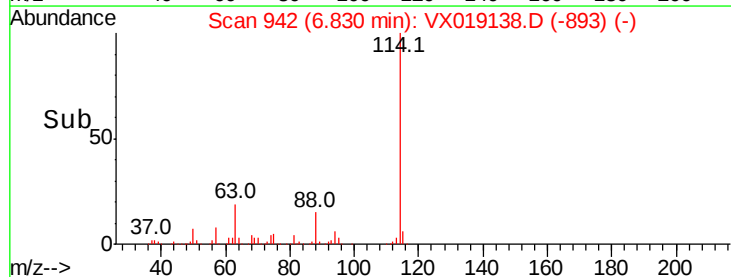
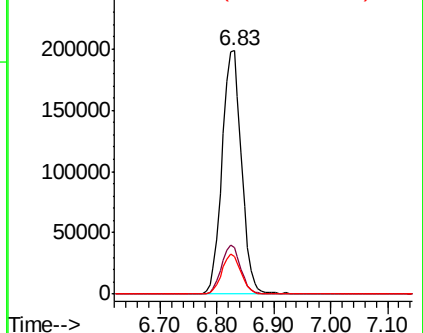
88 15.3 0.0 34.2

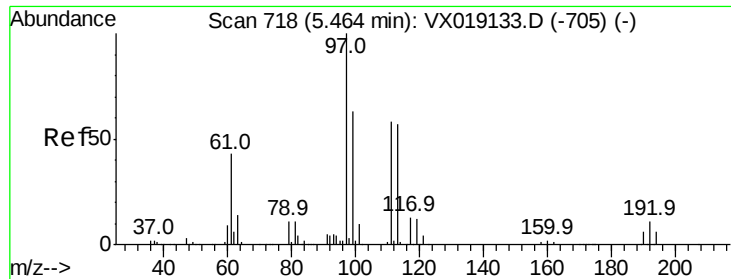


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

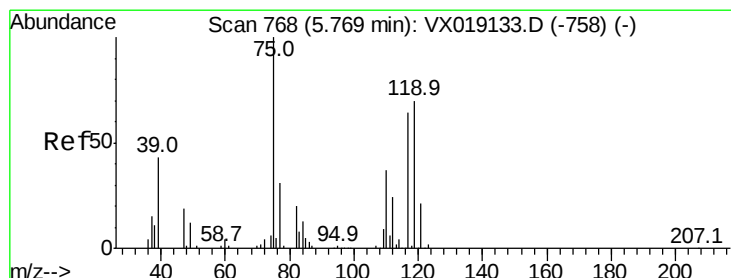
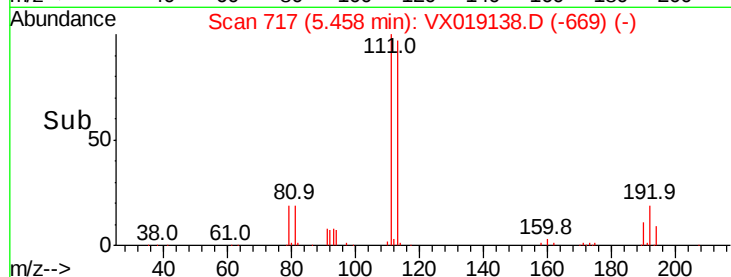
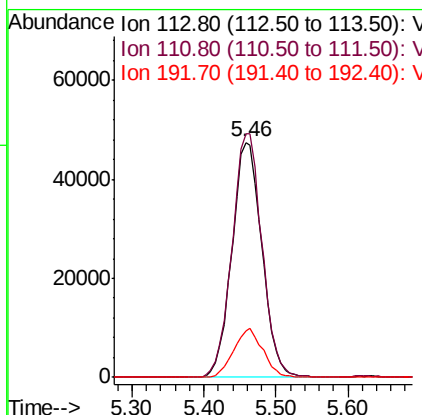
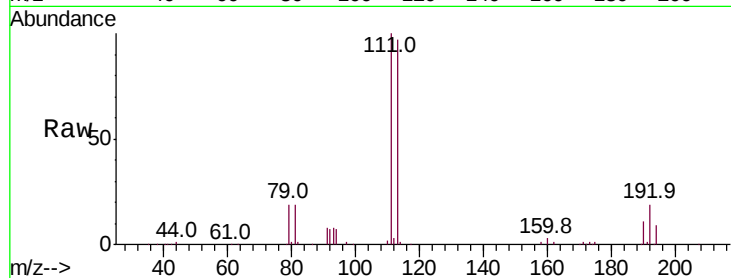




#35
Dibromofluoromethane
Concen: 46.154 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

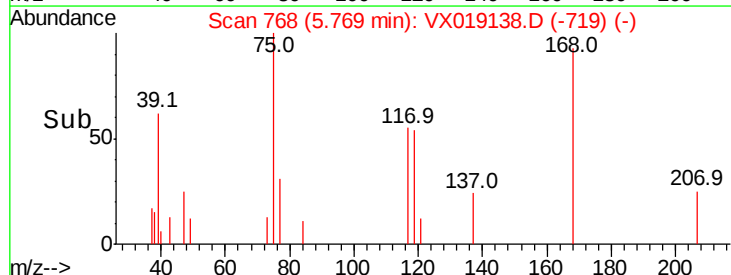
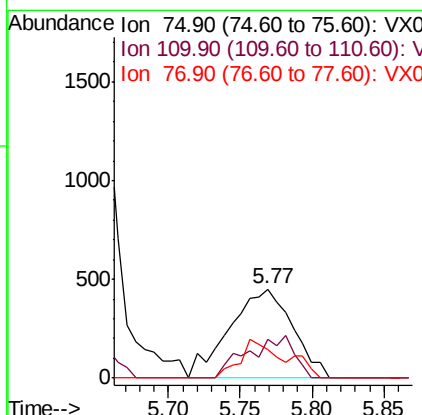
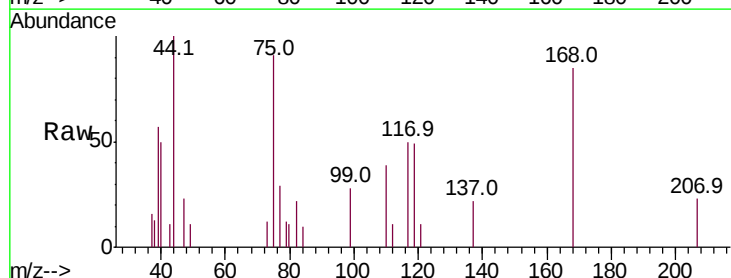
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

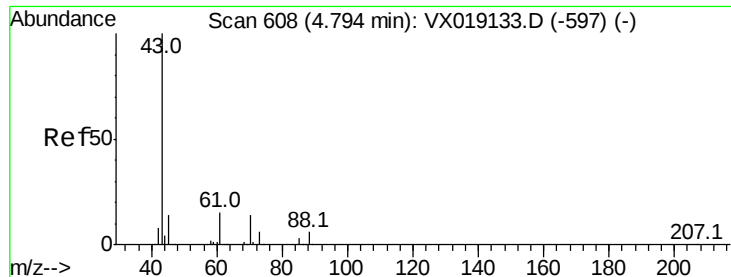
Tot Ion:113 Resp: 137349
Ion Ratio Lower Upper
113 100
111 103.4 82.3 123.5
192 20.3 16.2 24.2



#36
1,1-Dichloropropene
Concen: 0.312 ug/l
RT: 5.77 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 75 Resp: 1363
Ion Ratio Lower Upper
75 100
110 35.1 18.3 54.9
77 0.0 24.9 37.3#

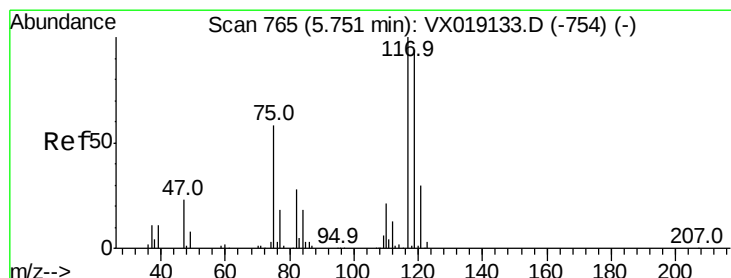
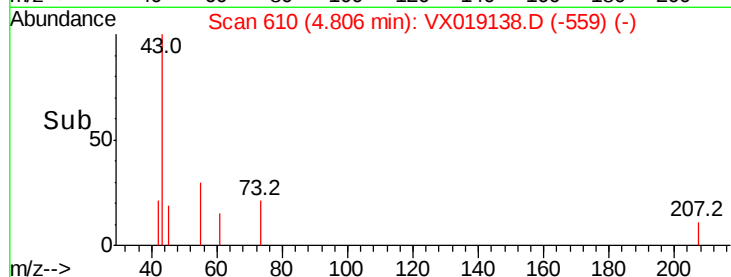
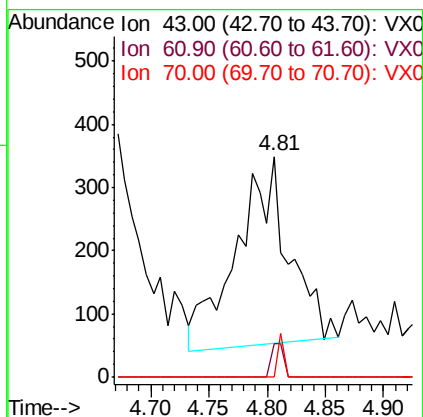
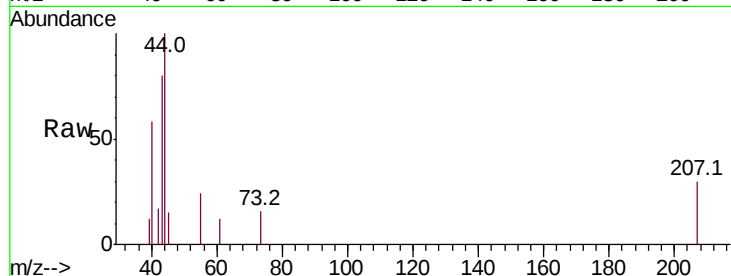




#37
Ethyl Acetate
Concen: 0.228 ug/l
RT: 4.81 min Scan# 610
Delta R.T. 0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

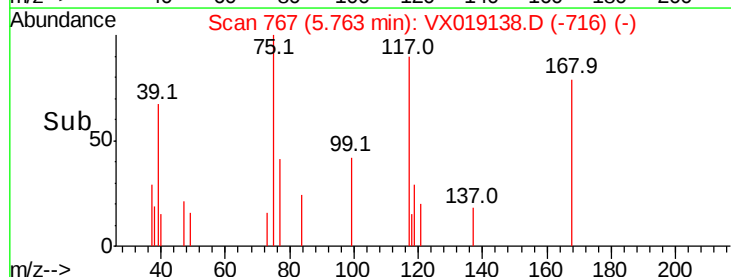
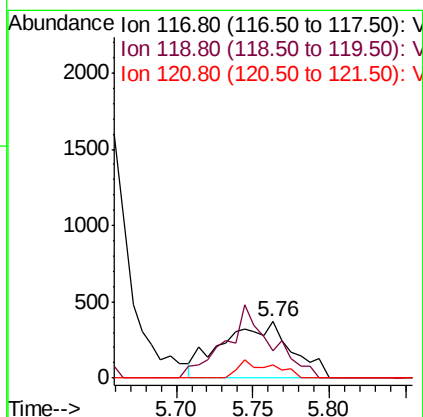
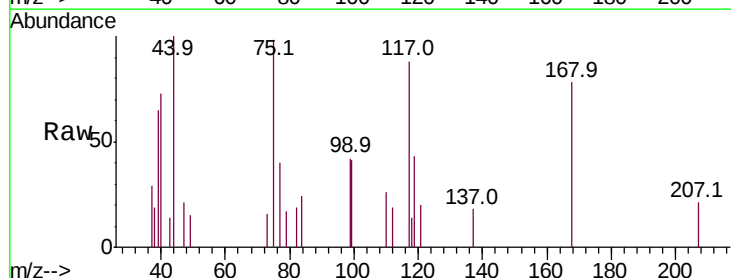
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

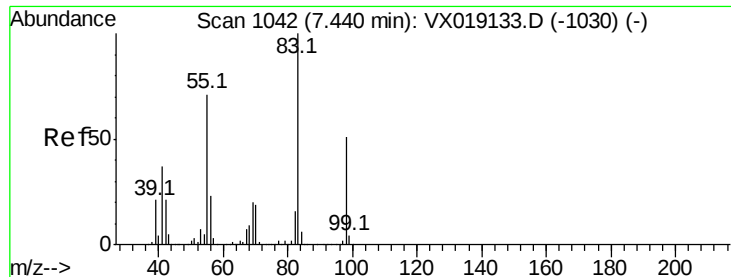
Tot Ion: 43 Resp: 928
Ion Ratio Lower Upper
43 100
61 0.0 12.5 18.7#
70 2.7 10.5 15.7#



#38
Carbon Tetrachloride
Concen: 0.259 ug/l
RT: 5.76 min Scan# 767
Delta R.T. 0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 117 Resp: 1156
Ion Ratio Lower Upper
117 100
119 48.6 75.0 112.6#
121 22.6 23.9 35.9#

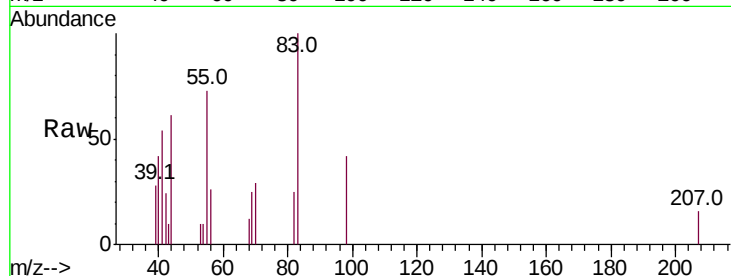




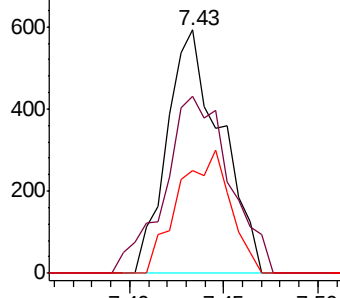
#39
Methvlcvclohexane
Concen: 0.225 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

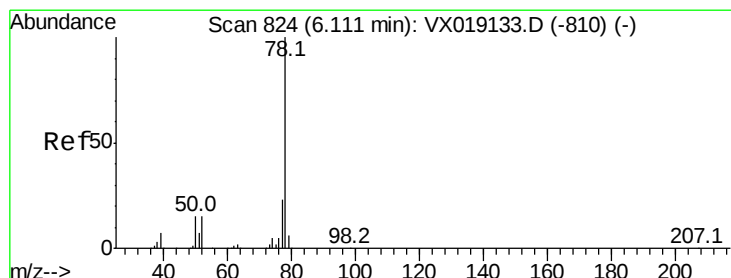
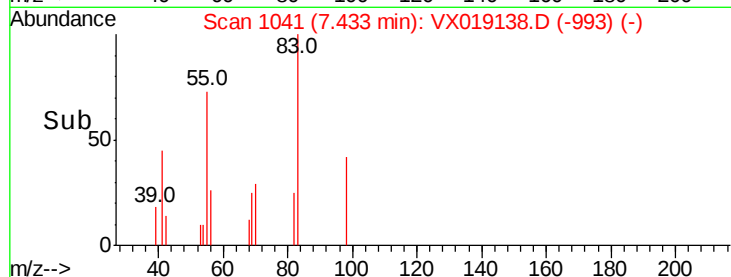
Tot Ion: 83 Resp: 1178
Ion Ratio Lower Upper
83 100
55 72.5 57.0 85.6
98 42.3 40.5 60.7



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

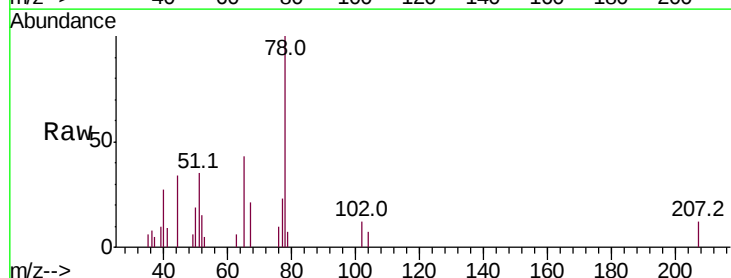


Time-->

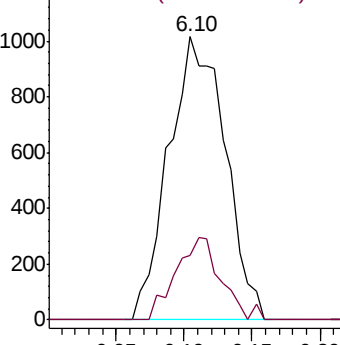


#40
Benzene
Concen: 0.237 ug/l
RT: 6.10 min Scan# 823
Delta R.T. -0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

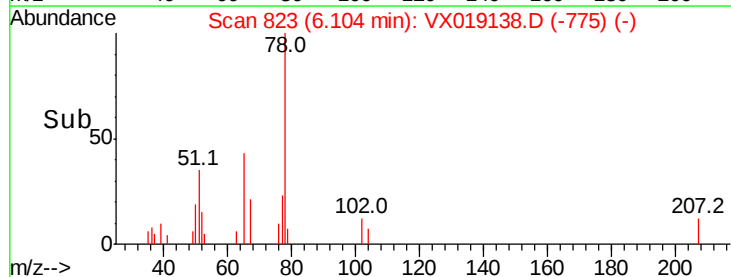
Tgt Ion: 78 Resp: 2943
Ion Ratio Lower Upper
78 100
77 22.8 18.7 28.1

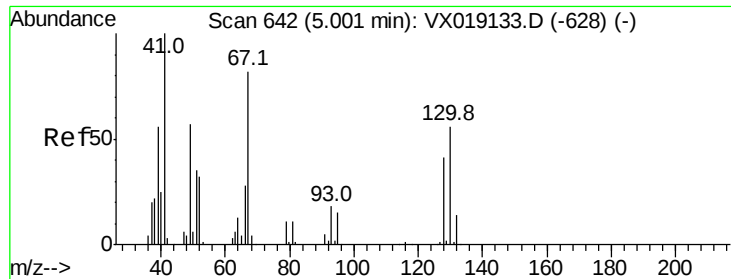


Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0



Time-->

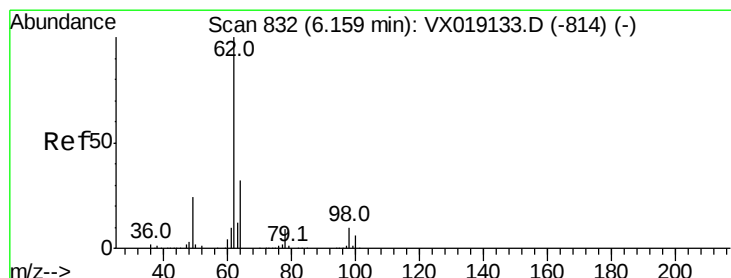
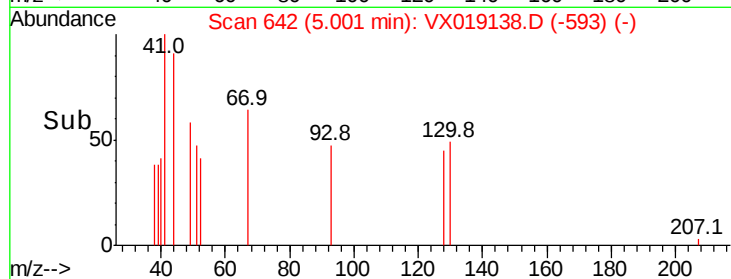
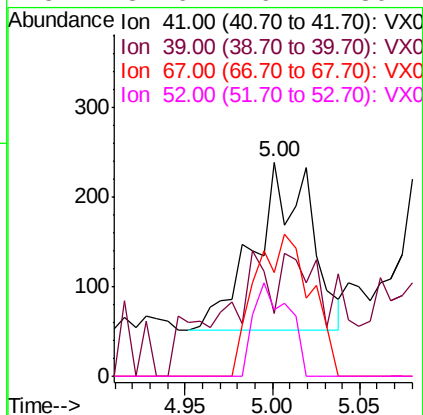
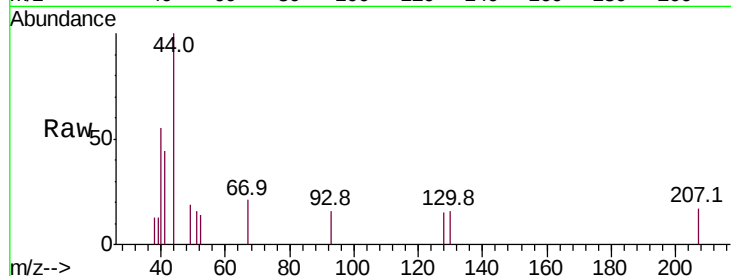




#41
Methacrylonitrile
Concen: 0.192 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

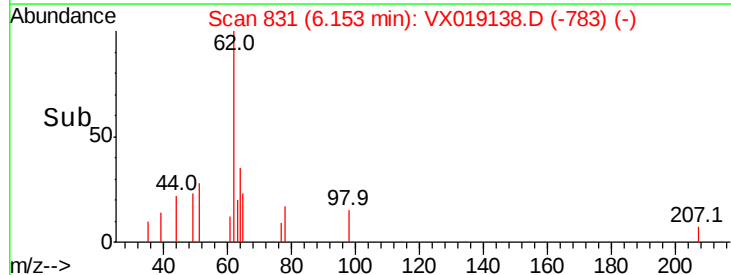
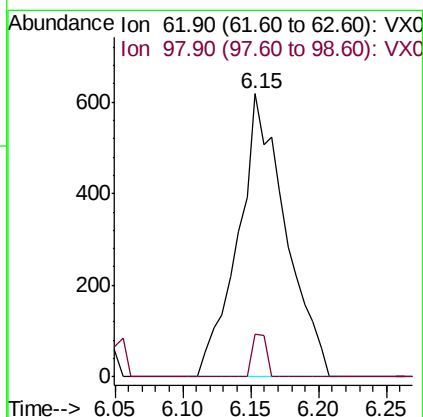
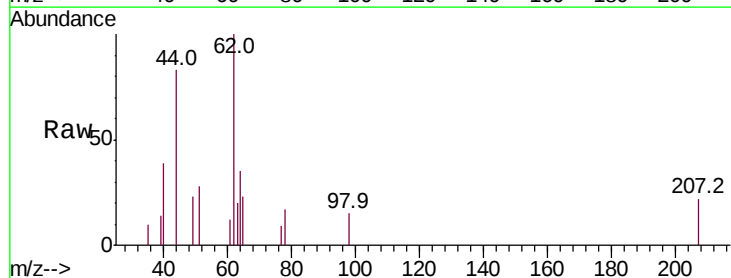
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

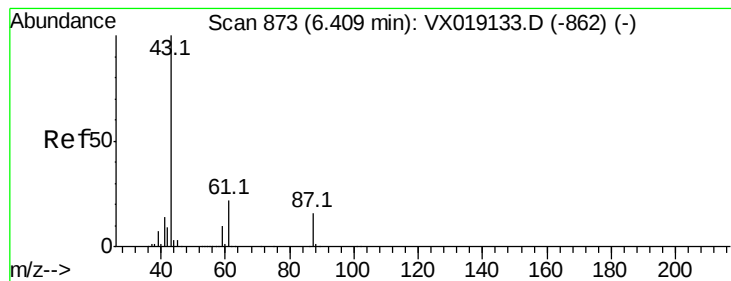
Tot Ion:	41	Resp:	419
Ion	Ratio	Lower	Upper
41	100		
39	30.1	44.4	66.6#
67	84.5	66.4	99.6
52	34.6	26.2	39.4



#42
1,2-Dichloroethane
Concen: 0.330 ug/l
RT: 6.15 min Scan# 831
Delta R.T. -0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion:	62	Resp:	1509
Ion	Ratio	Lower	Upper
62	100		
98	4.4	0.0	19.0





#43

Isopropyl Acetate

Concen: 0.257 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

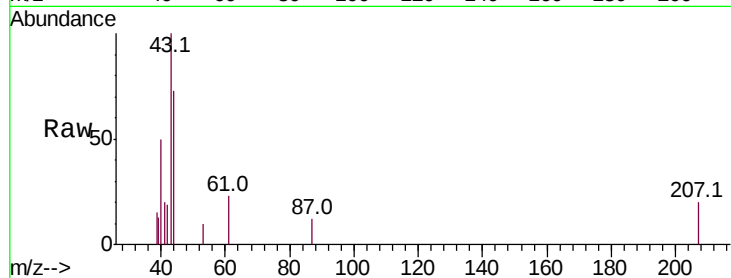
Tot Ion: 43 Resp: 1745

Ion Ratio Lower Upper

43 100

61 11.5 17.8 26.6#

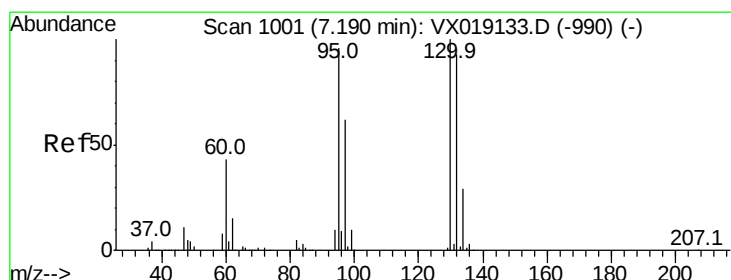
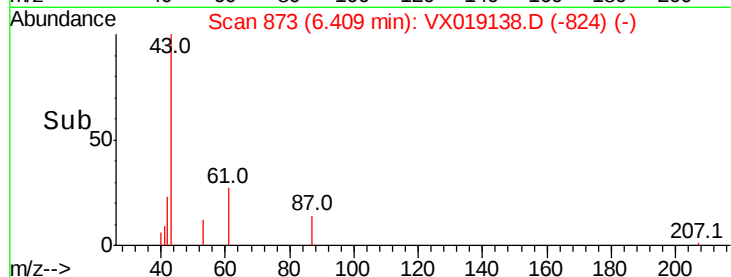
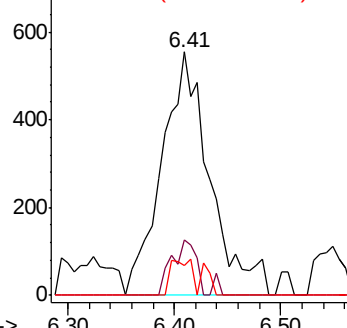
87 6.4 12.6 19.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 0.305 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX019138.D

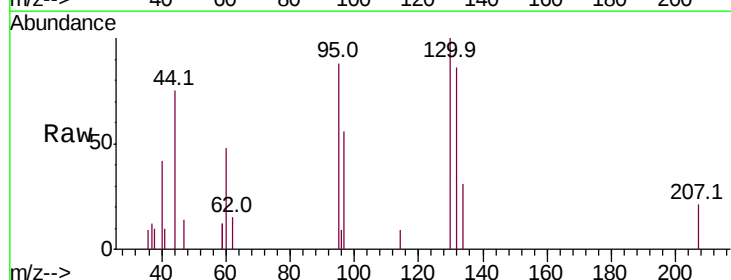
Acq: 27 Oct 2020 16:04

Tgt Ion:130 Resp: 1083

Ion Ratio Lower Upper

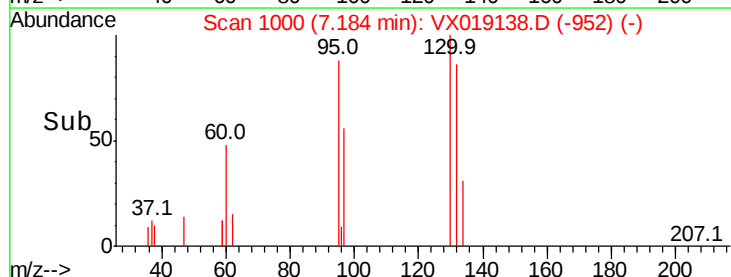
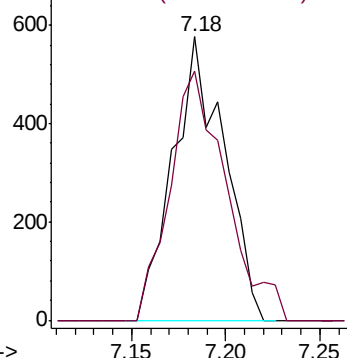
130 100

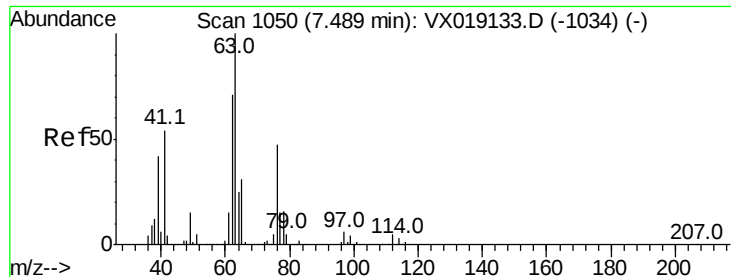
95 87.9 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 0.232 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

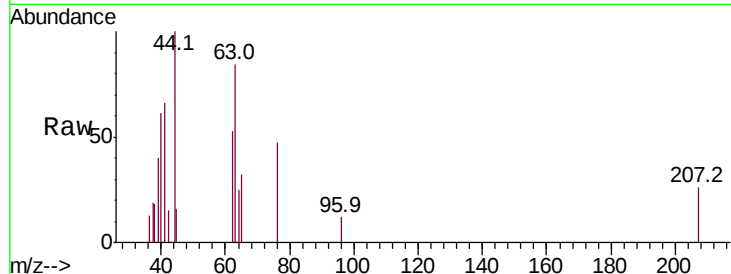
MDL-WATER-03-QT4-2020

Tot Ion: 63 Resp: 706

Ion Ratio Lower Upper

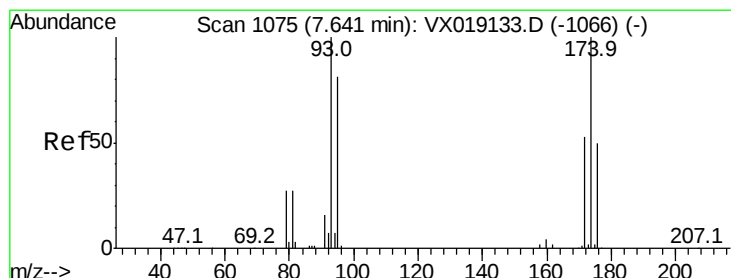
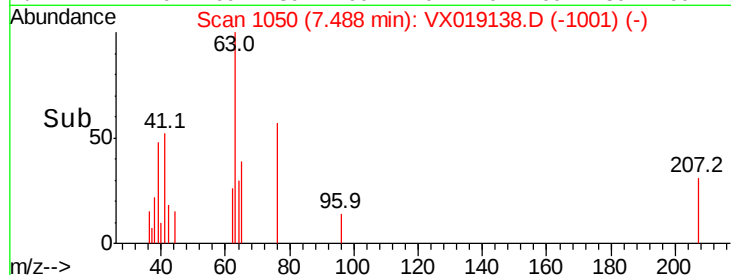
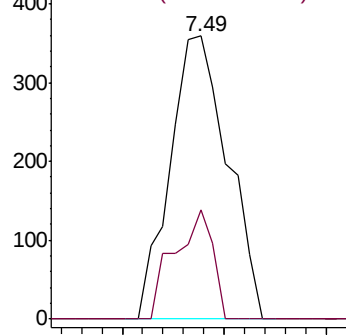
63 100

65 38.7 25.2 37.8#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 0.282 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

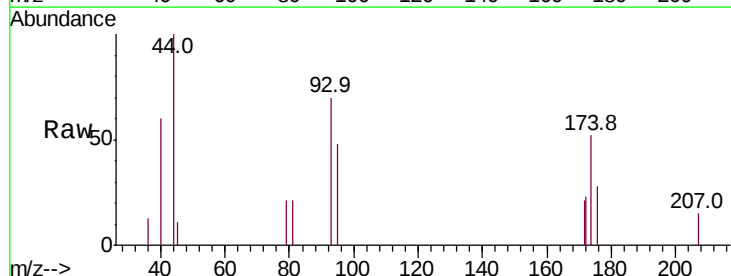
Tgt Ion: 93 Resp: 633

Ion Ratio Lower Upper

93 100

95 82.1 67.0 100.6

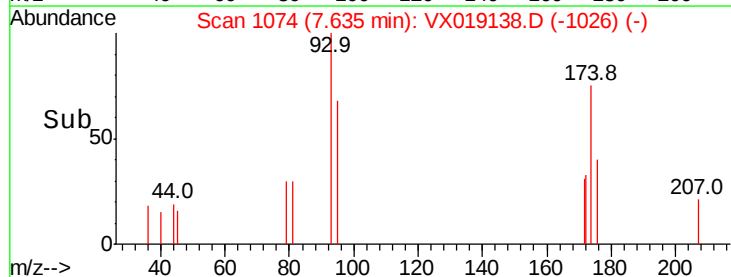
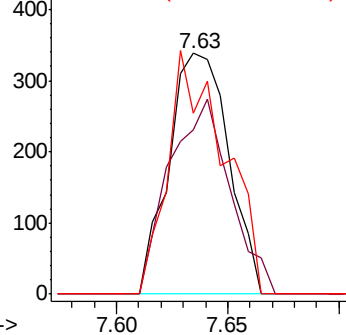
174 94.5 81.7 122.5

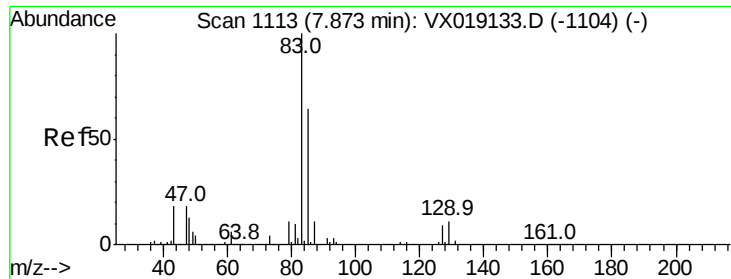


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 0.203 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

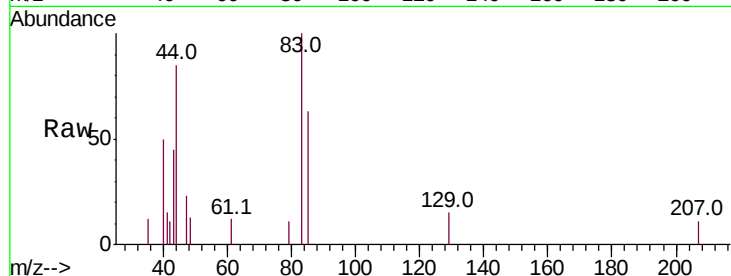
Tot Ion: 83 Resp: 899

Ion Ratio Lower Upper

83 100

85 63.0 51.2 76.8

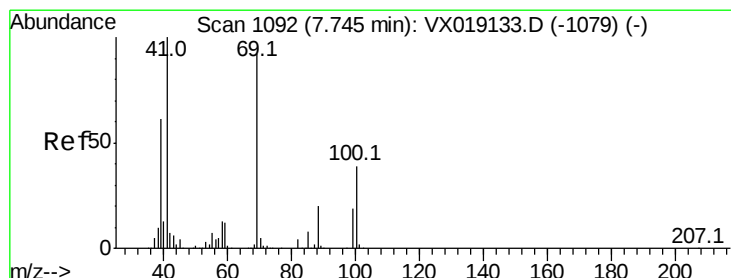
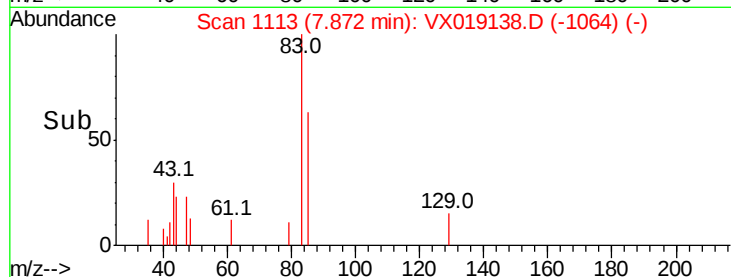
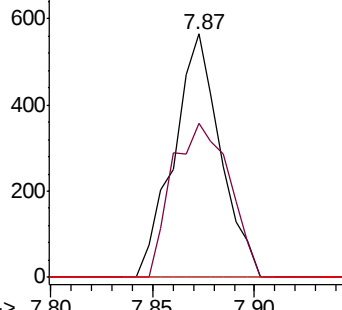
127 0.0 7.1 10.7#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 0.280 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

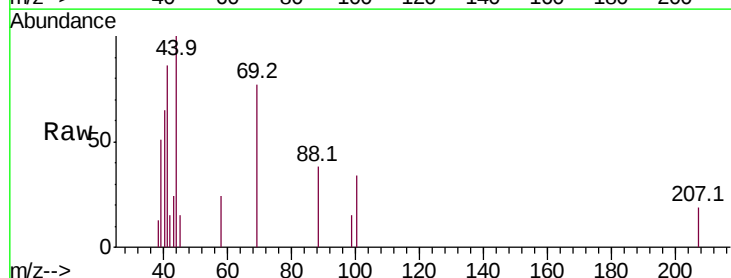
Tgt Ion: 41 Resp: 918

Ion Ratio Lower Upper

41 100

69 69.1 75.5 113.3#

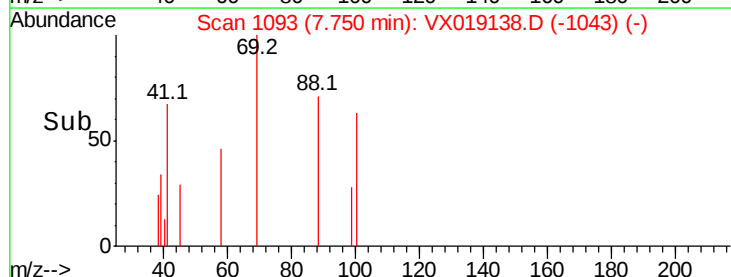
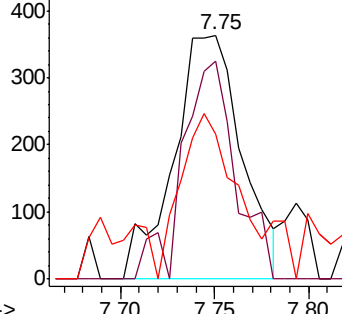
39 61.0 48.9 73.3

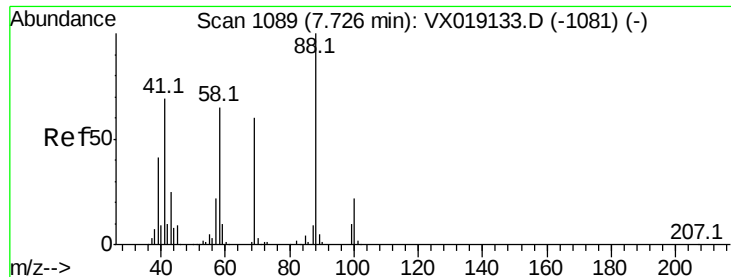


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

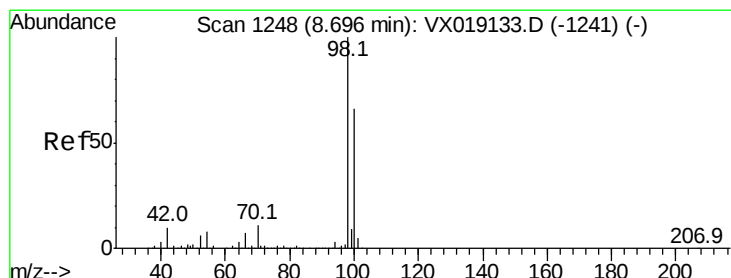
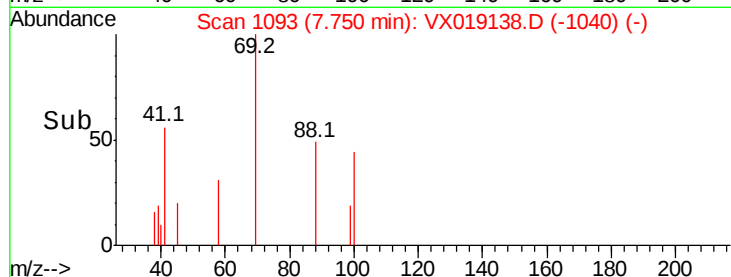
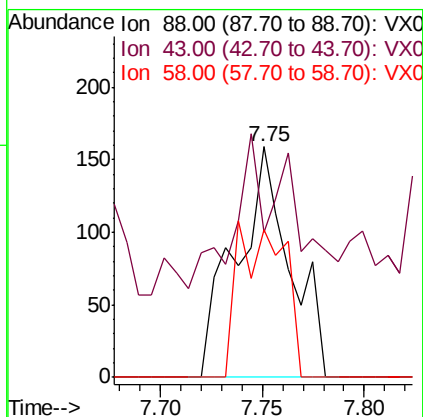
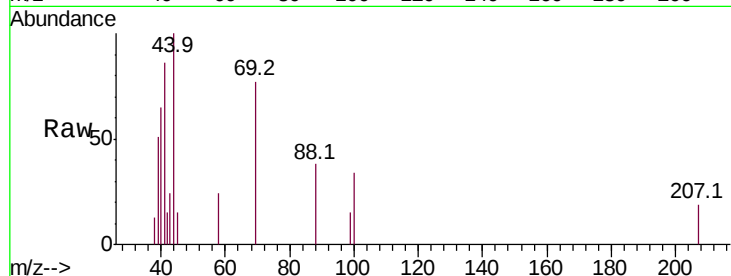




#49
1,4-Dioxane
Concen: 4.025 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.02 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

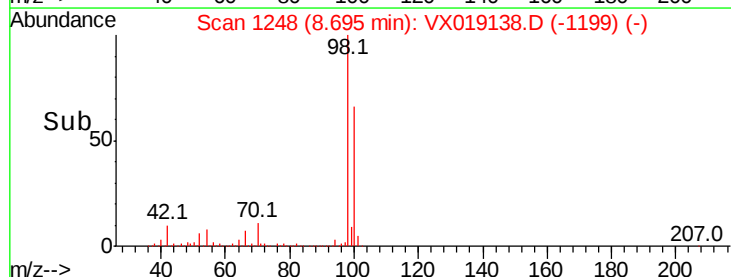
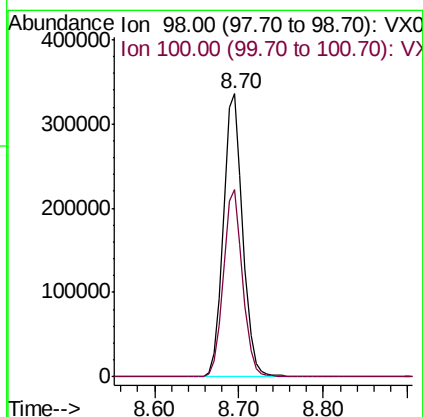
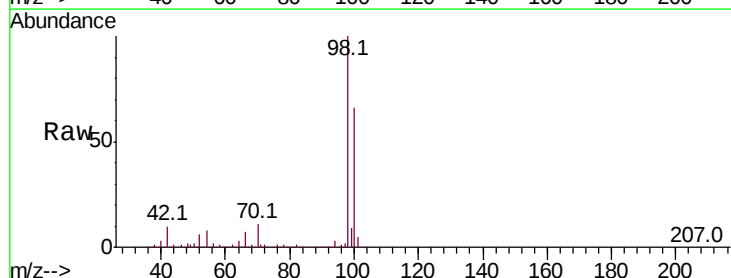
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

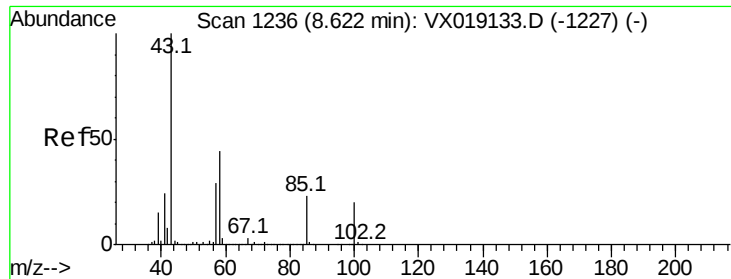
Tot Ion: 88 Resp: 293
Ion Ratio Lower Upper
88 100
43 40.6 23.0 34.6#
58 57.0 52.2 78.2



#50
Toluene-d8
Concen: 47.087 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 98 Resp: 528228
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6

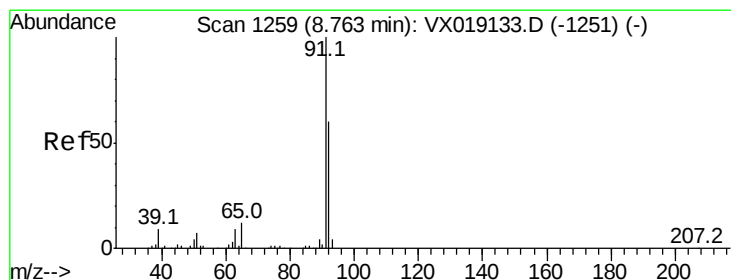
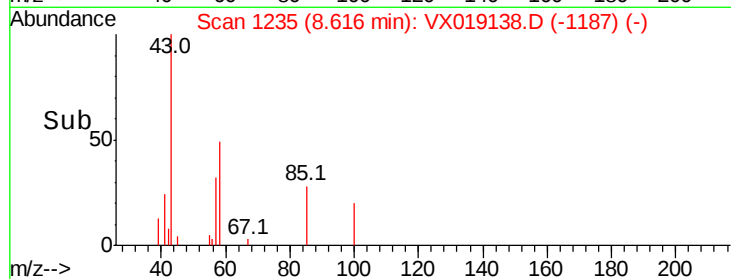
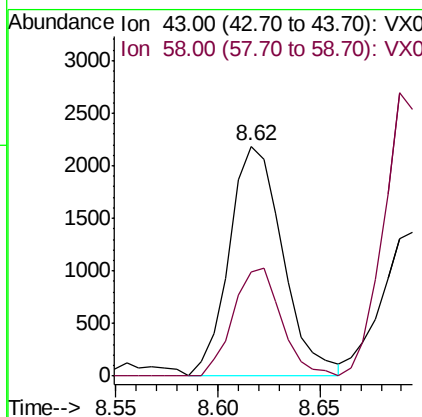
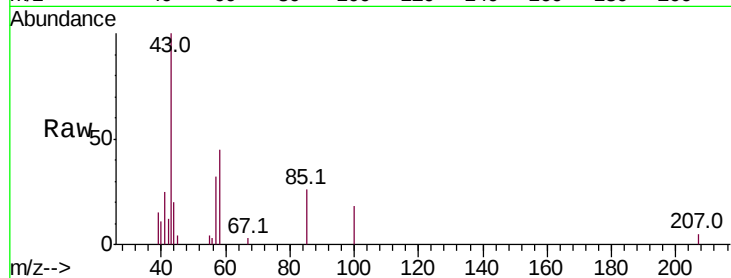




#51
 4-Methyl-2-Pentanone
 Concen: 1.018 ug/l
 RT: 8.62 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

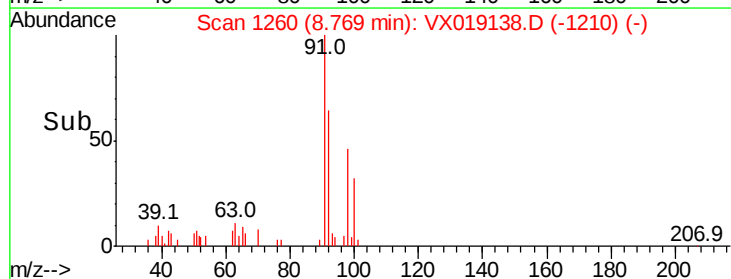
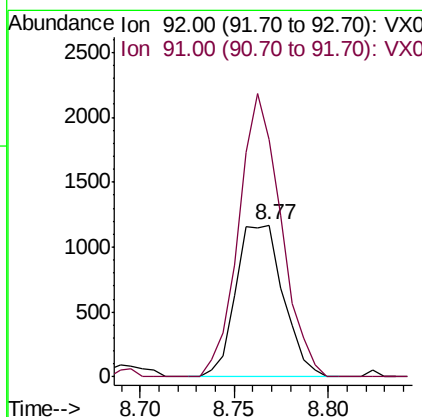
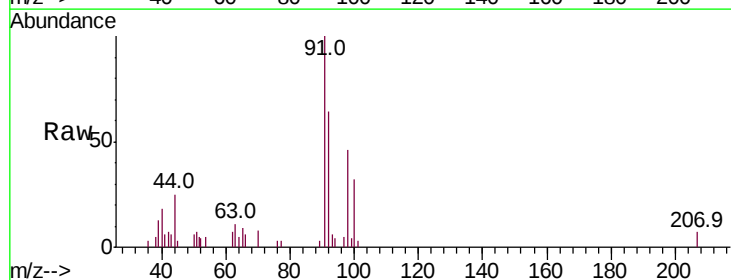
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

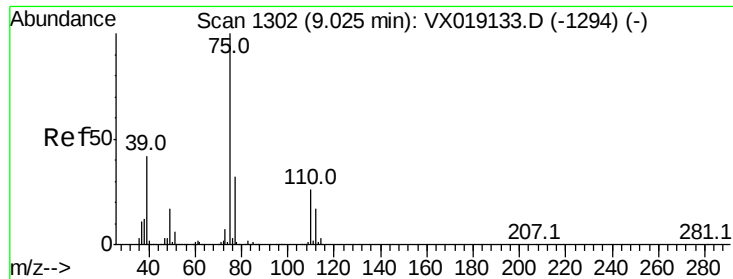
Tot Ion: 43 Resp: 3979
 Ion Ratio Lower Upper
 43 100
 58 42.4 35.0 52.4



#52
 Toluene
 Concen: 0.256 ug/l
 RT: 8.77 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Tgt Ion: 92 Resp: 2047
 Ion Ratio Lower Upper
 92 100
 91 165.7 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 0.245 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

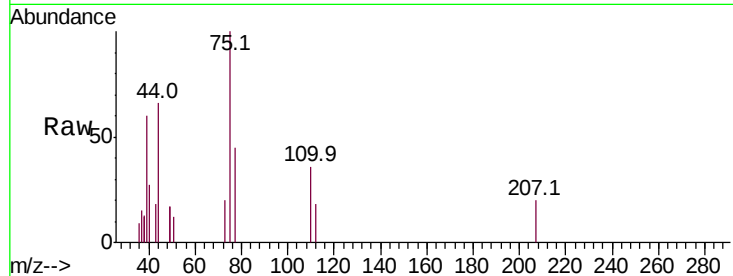
MDL-WATER-03-QT4-2020

Tot Ion: 75 Resp: 1240

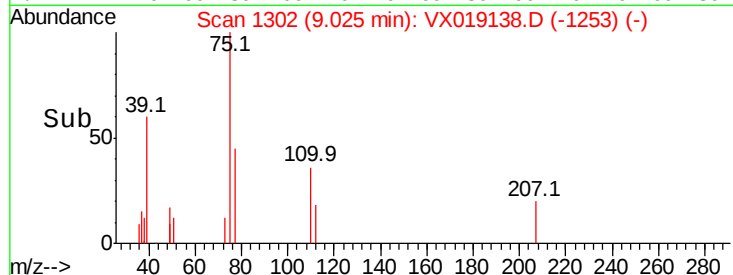
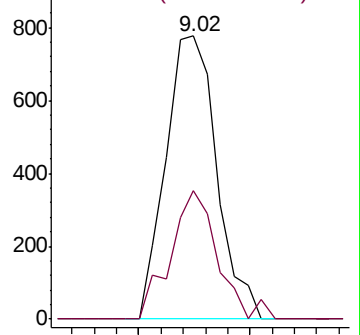
Ion Ratio Lower Upper

75 100

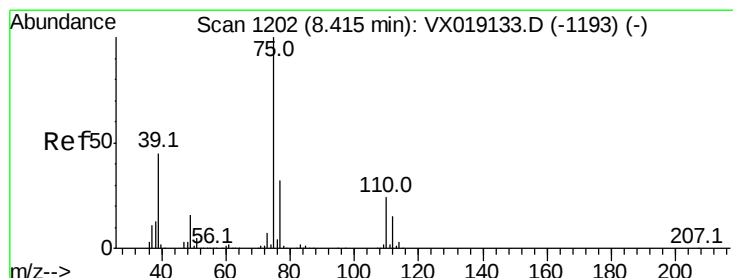
77 45.3 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.252 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

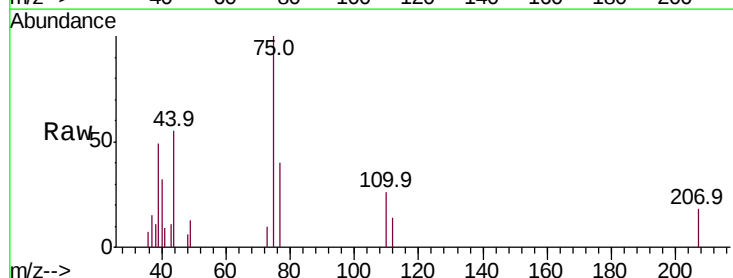
Tgt Ion: 75 Resp: 1339

Ion Ratio Lower Upper

75 100

77 40.3 25.5 38.3#

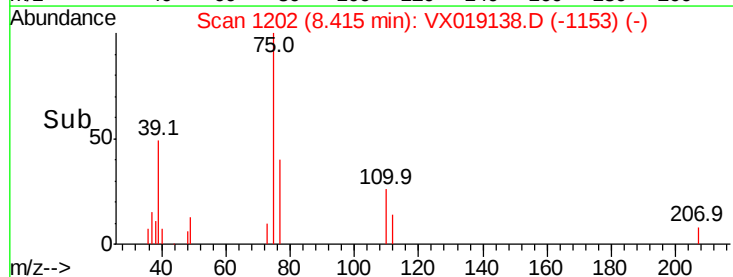
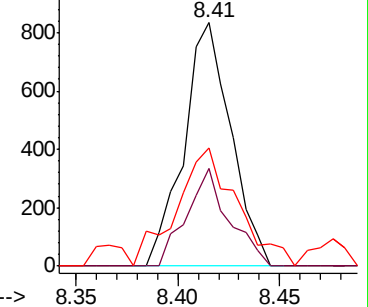
39 48.6 36.2 54.2



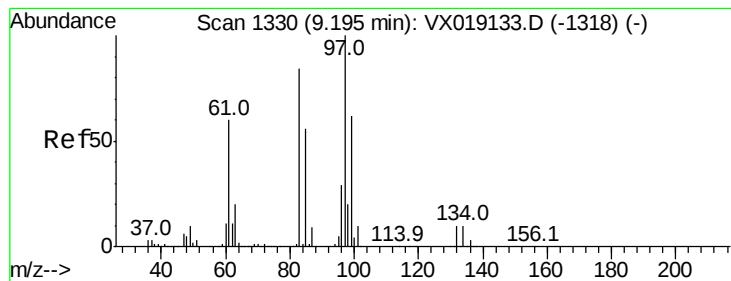
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



Time-->



#55

1,1,2-Trichloroethane

Concen: 0.204 ug/l

RT: 9.20 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

Tot Ion: 97 Resp: 645

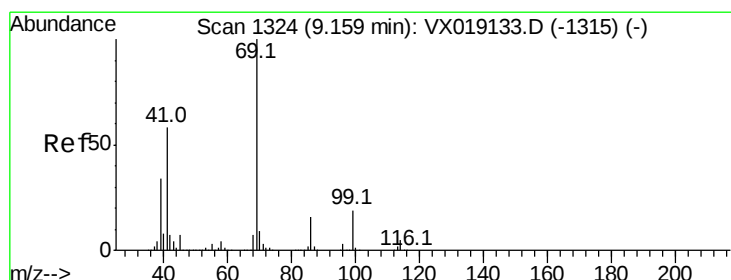
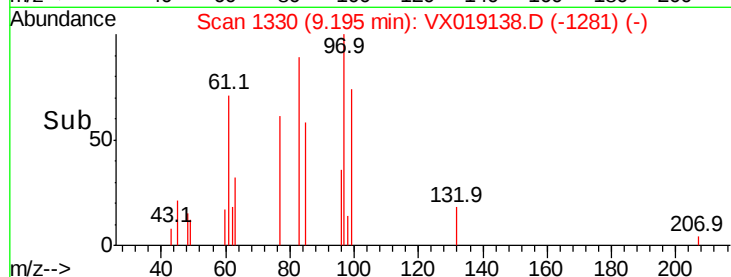
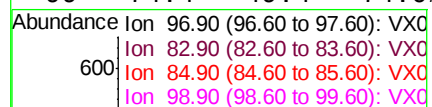
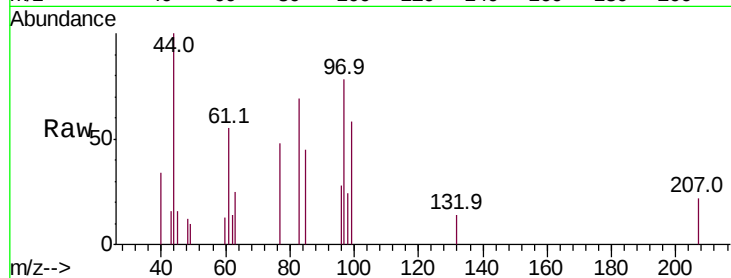
Ion Ratio Lower Upper

97 100

83 89.4 67.2 100.8

85 58.0 44.6 67.0

99 74.4 49.4 74.0#



#56

Ethyl methacrylate

Concen: 0.191 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

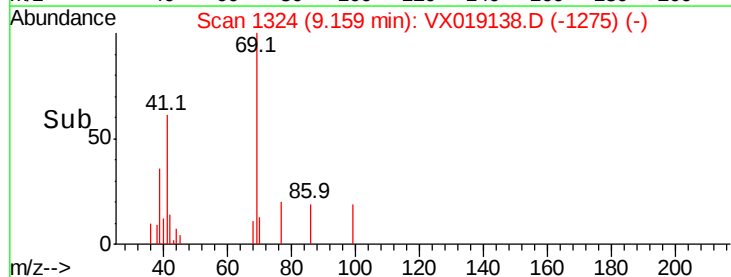
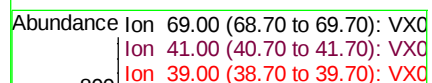
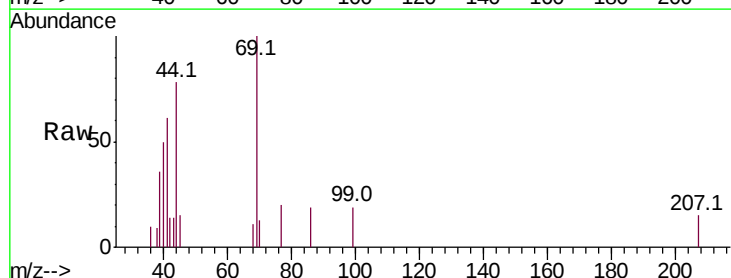
Tgt Ion: 69 Resp: 910

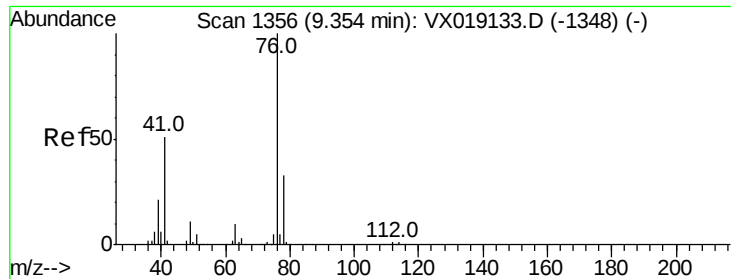
Ion Ratio Lower Upper

69 100

41 78.1 46.5 69.7#

39 57.0 27.6 41.4#





#57

1,3-Dichloropropane

Concen: 0.233 ug/l

RT: 9.35 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

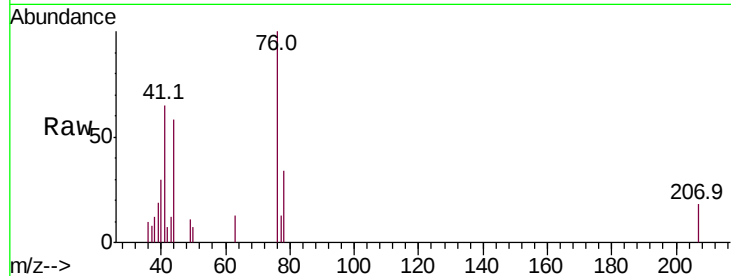
MDL-WATER-03-QT4-2020

Tot Ion: 76 Resp: 1242

Ion Ratio Lower Upper

76 100

78 32.7 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

800

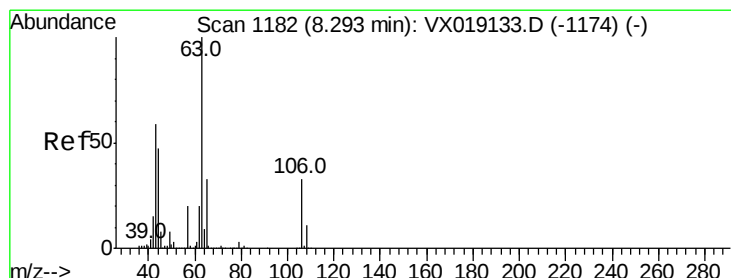
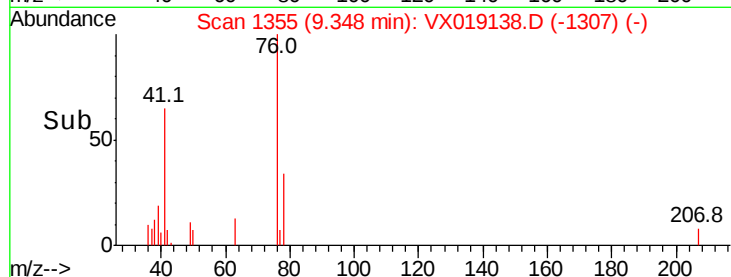
600

400

200

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.837 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX019138.D

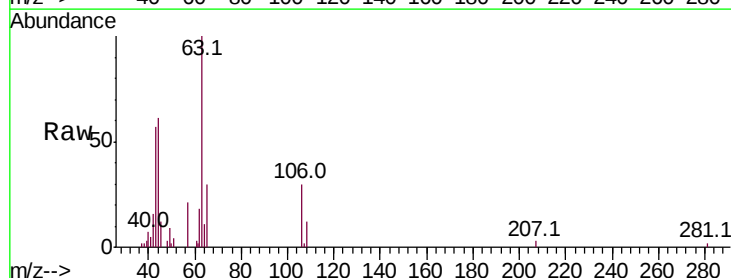
Acq: 27 Oct 2020 16:04

Tgt Ion: 63 Resp: 4897

Ion Ratio Lower Upper

63 100

106 31.0 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.29

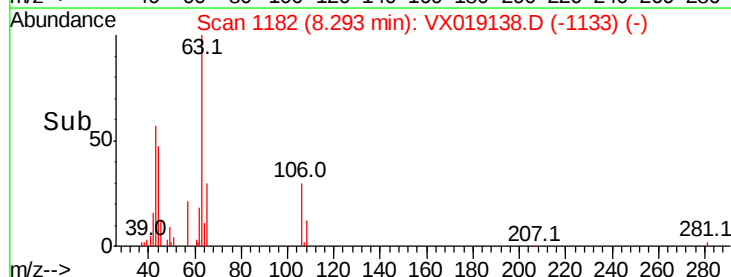
3000

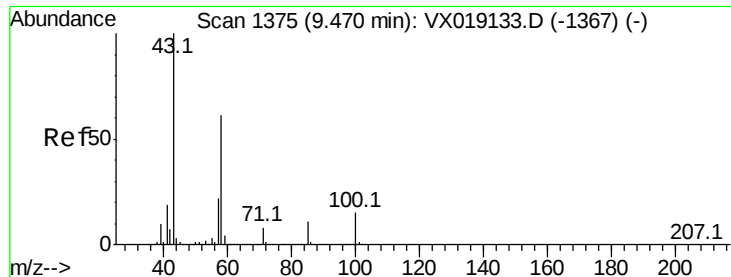
2000

1000

0

Time-->

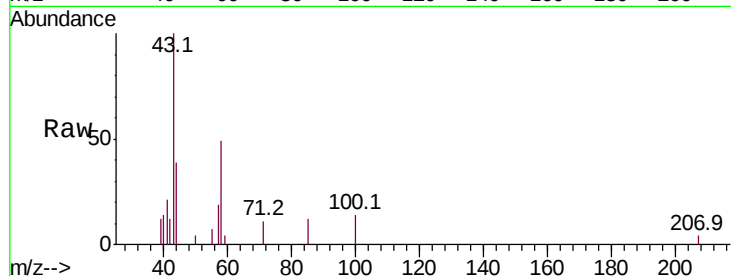




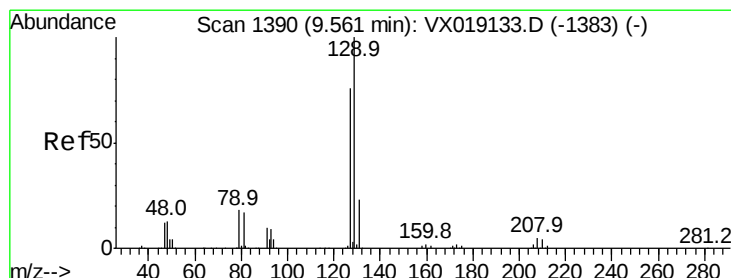
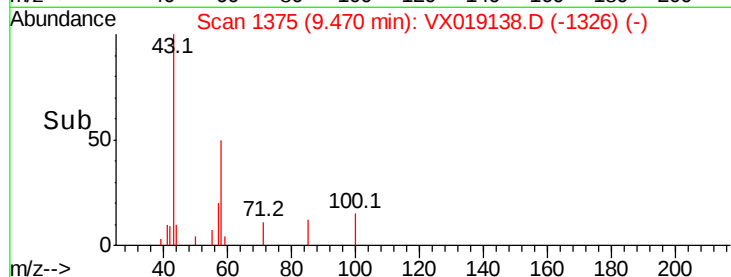
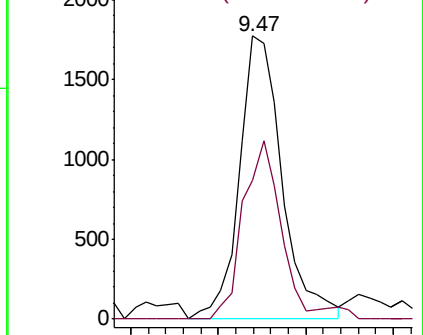
#59
2-Hexanone
Concen: 1.019 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 3032
Ion Ratio Lower Upper
43 100
58 55.4 30.5 91.5

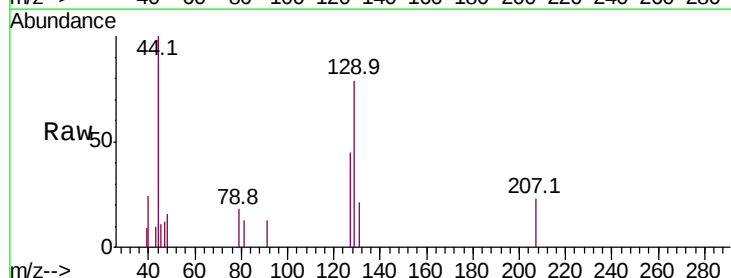


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

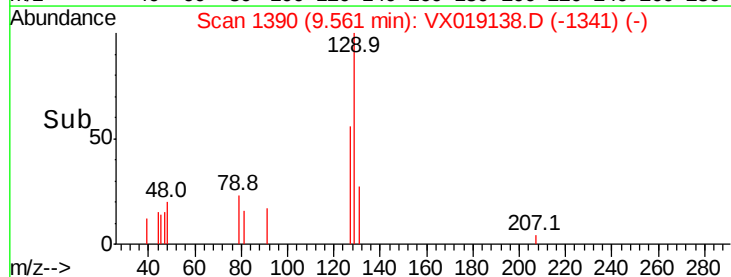
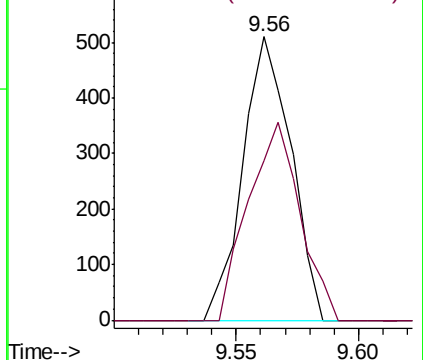


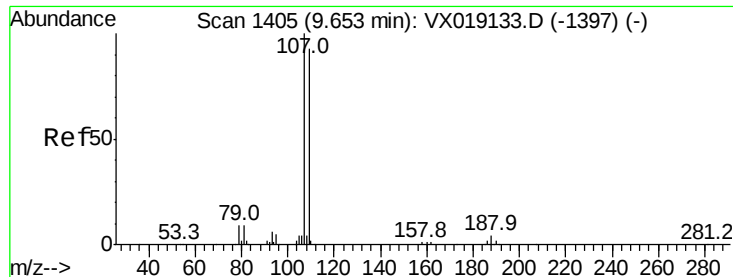
#60
Dibromochloromethane
Concen: 0.205 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 129 Resp: 701
Ion Ratio Lower Upper
129 100
127 75.0 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 0.265 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

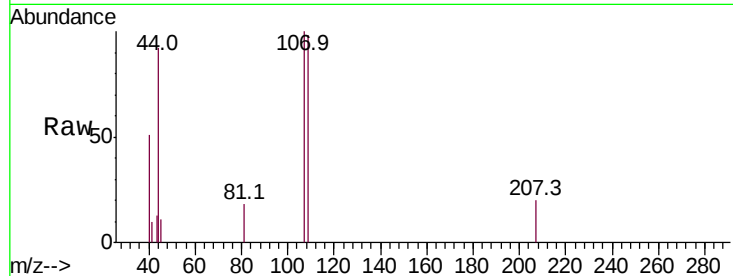
MDL-WATER-03-QT4-2020

Tot Ion:107 Resp: 896

Ion Ratio Lower Upper

107 100

109 84.9 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

600

500

400

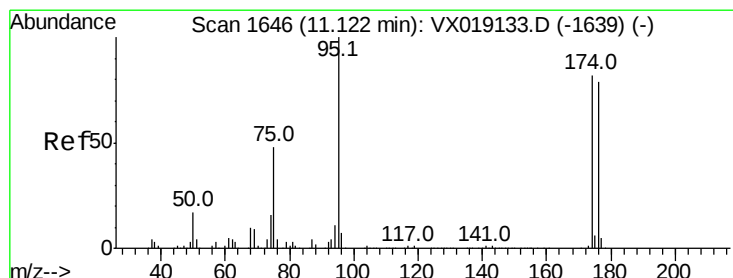
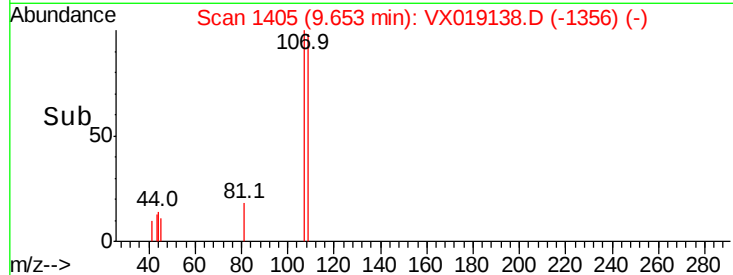
300

200

100

0

Time--> 9.60 9.65 9.70



#62

4-Bromofluorobenzene

Concen: 45.330 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

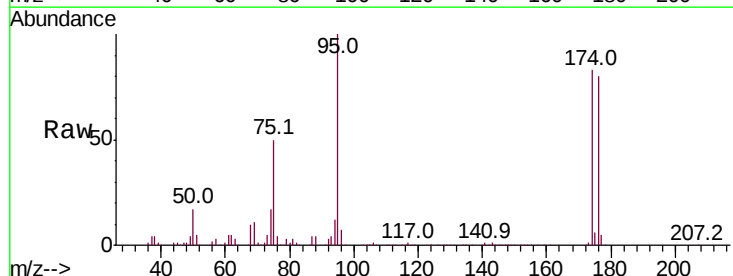
Tgt Ion: 95 Resp: 192575

Ion Ratio Lower Upper

95 100

174 77.6 0.0 156.0

176 76.4 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

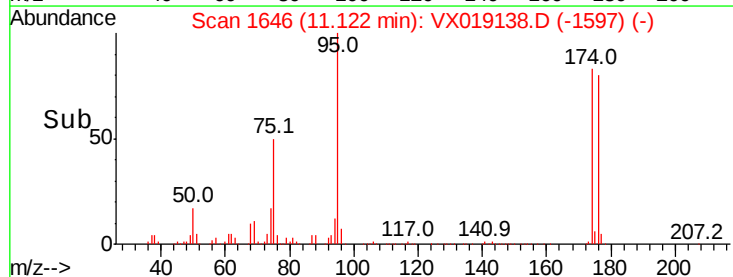
150000

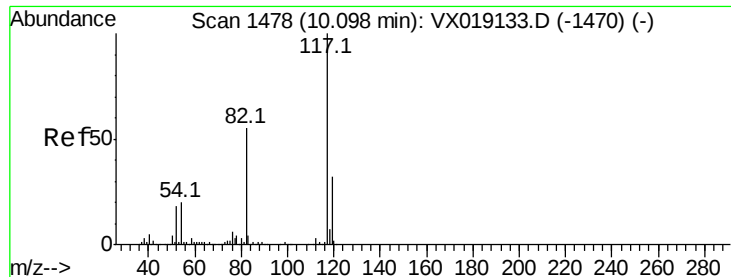
100000

50000

0

Time--> 11.10 11.12 11.20

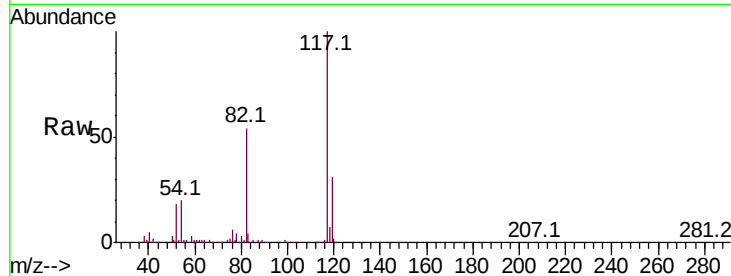




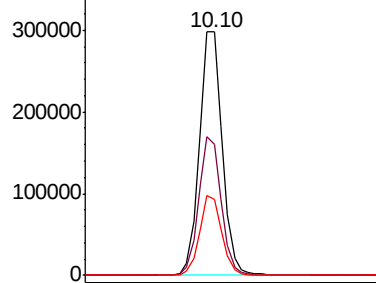
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

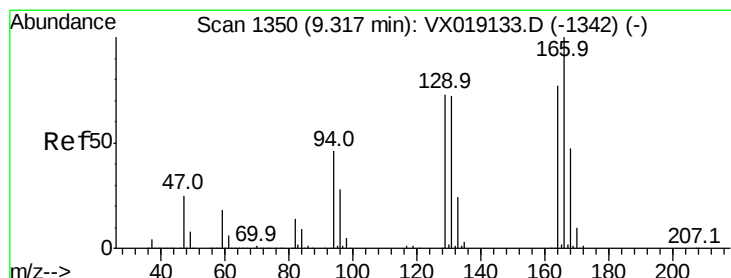
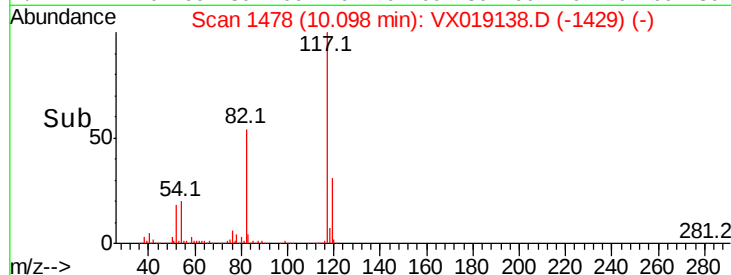
Tot Ion:117 Resp: 421671
Ion Ratio Lower Upper
117 100
82 53.9 43.6 65.4
119 31.3 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

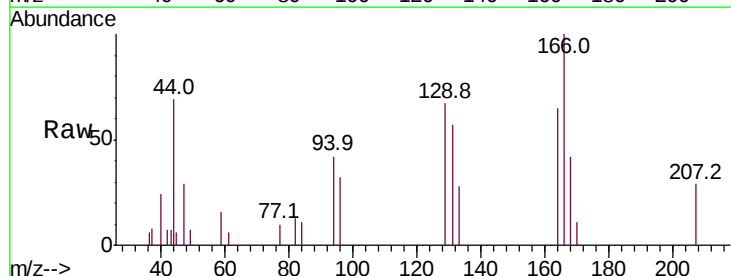


Time--> 10.00 10.10 10.20

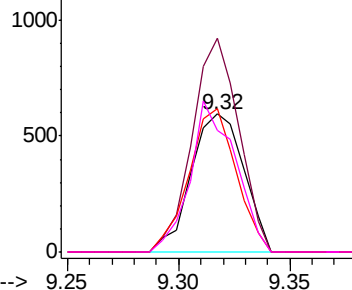


#64
Tetrachloroethene
Concen: 0.305 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

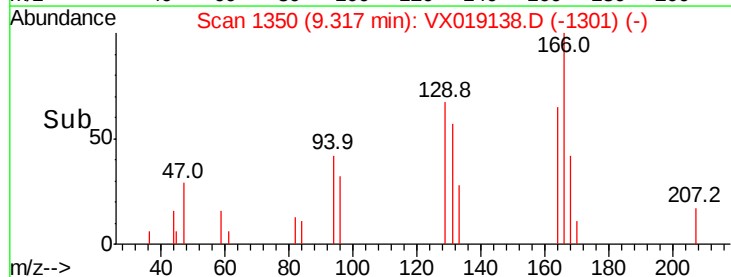
Tgt Ion:164 Resp: 980
Ion Ratio Lower Upper
164 100
166 154.8 104.1 156.1
129 103.5 76.2 114.4
131 88.4 74.6 112.0

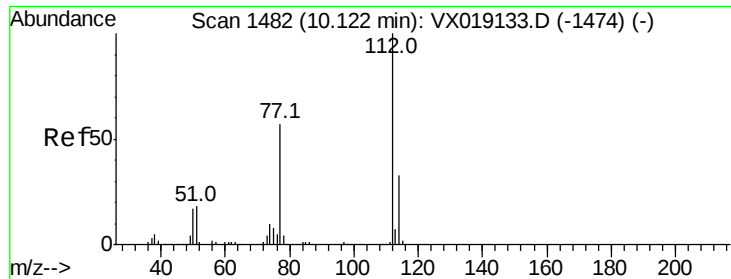


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



Time--> 9.25 9.30 9.35





#65

Chlorobenzene

Concen: 0.260 ug/l

RT: 10.12 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

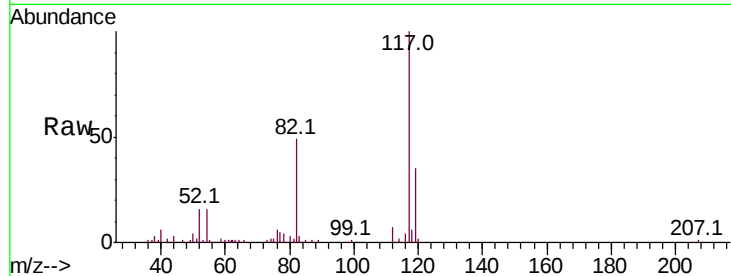
MDL-WATER-03-QT4-2020

Tot Ion:112 Resp: 2239

Ion Ratio Lower Upper

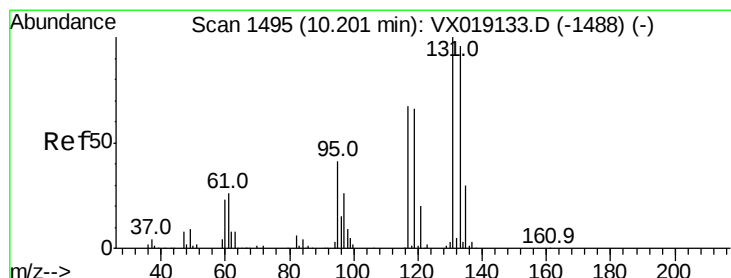
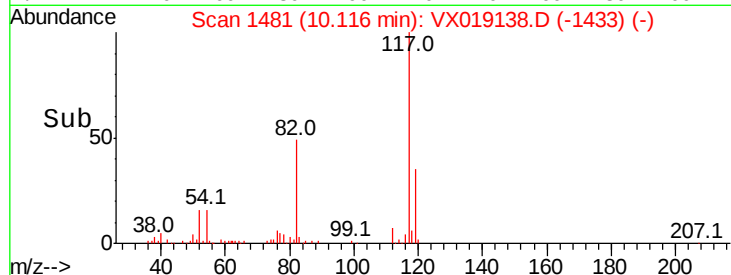
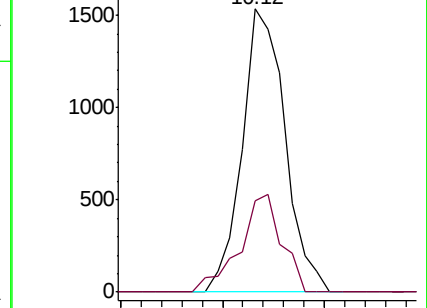
112 100

114 32.3 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.193 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

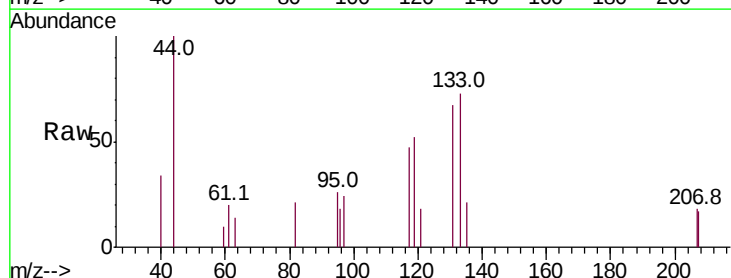
Tgt Ion:131 Resp: 598

Ion Ratio Lower Upper

131 100

133 101.3 47.3 141.8

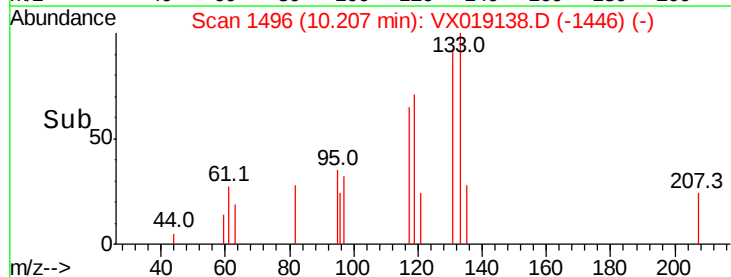
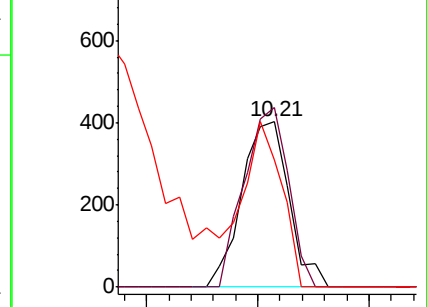
119 0.0 32.3 96.9#

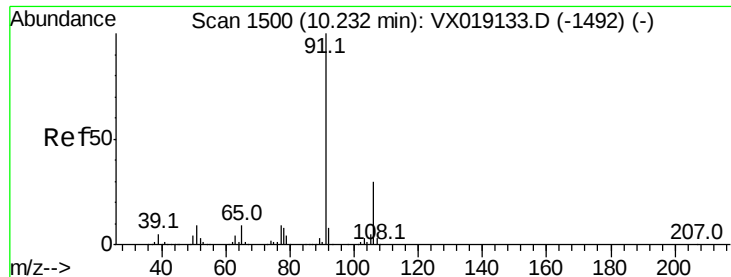


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

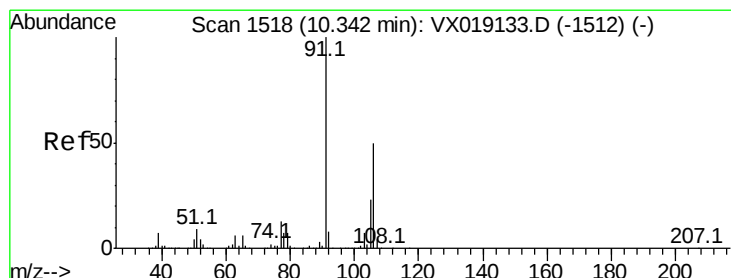
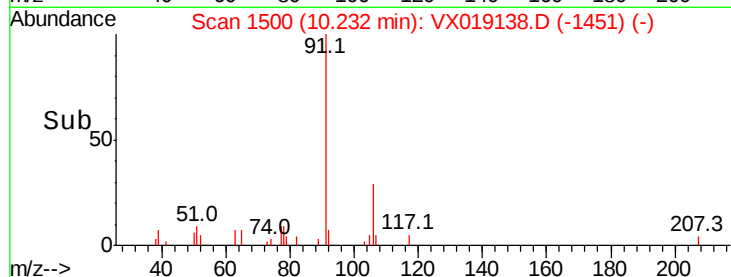
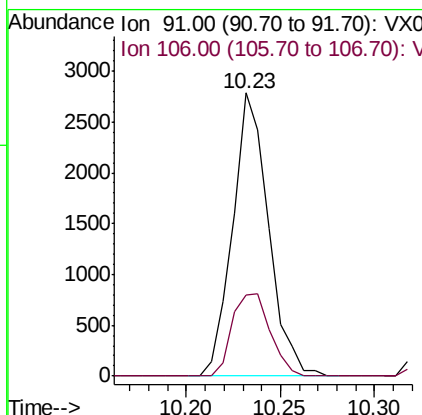
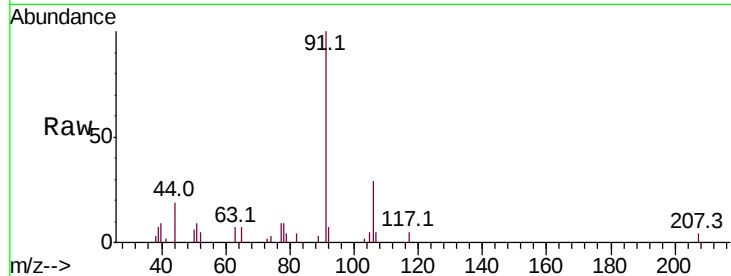




#67
Ethyl Benzene
Concen: 0.239 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

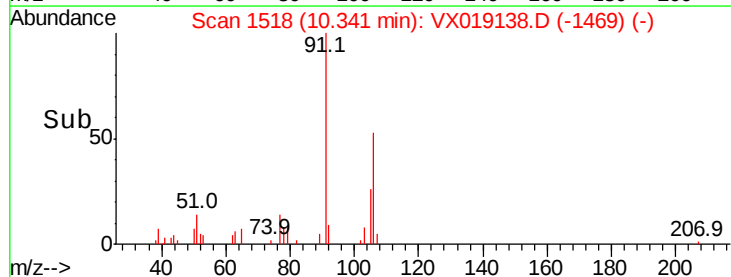
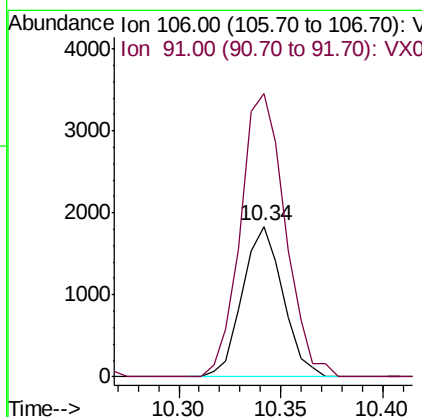
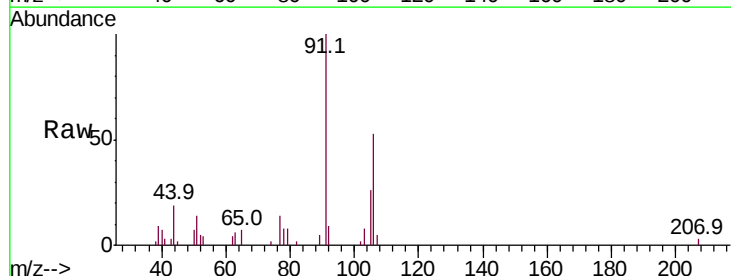
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

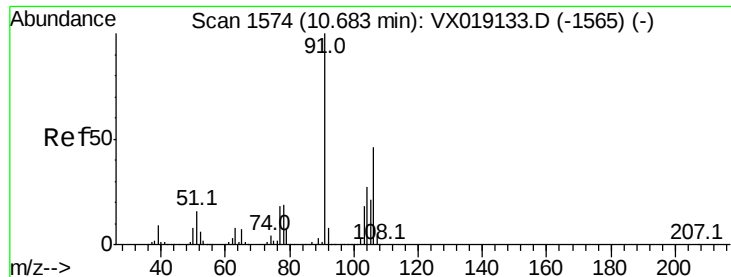
Tot Ion: 91 Resp: 3676
Ion Ratio Lower Upper
91 100
106 28.8 24.3 36.5



#68
m/p-Xylenes
Concen: 0.439 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 106 Resp: 2533
Ion Ratio Lower Upper
106 100
91 207.7 161.0 241.4

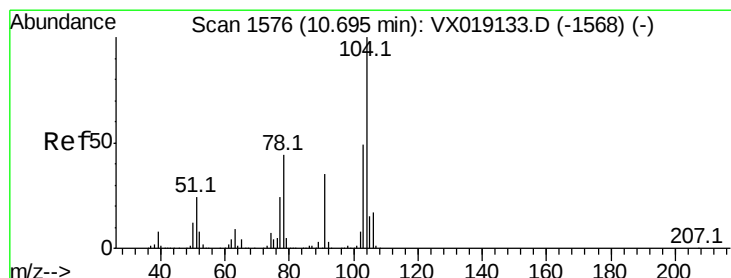
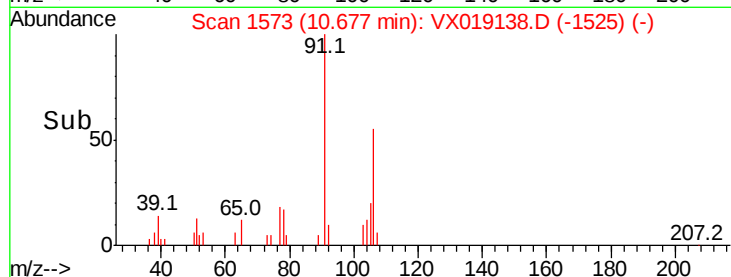
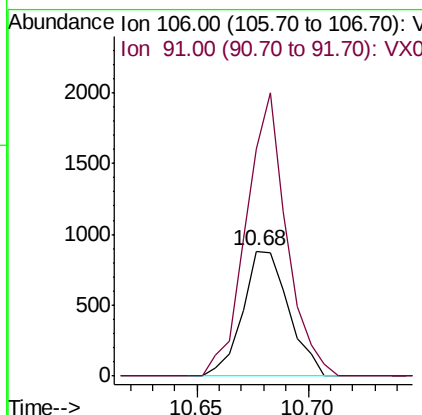
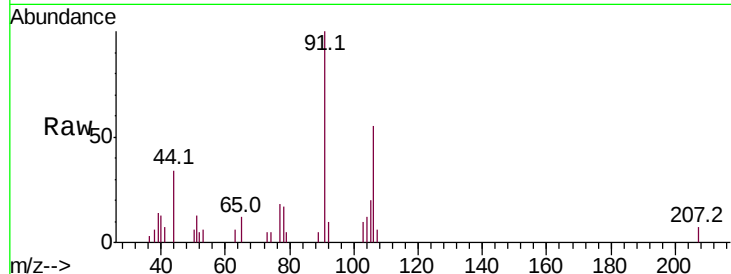




#69
o-Xylene
Concen: 0.231 ug/l
RT: 10.68 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

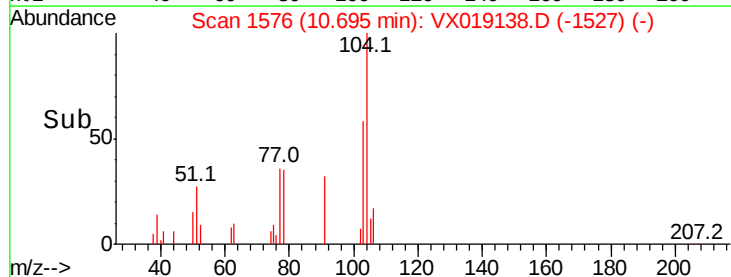
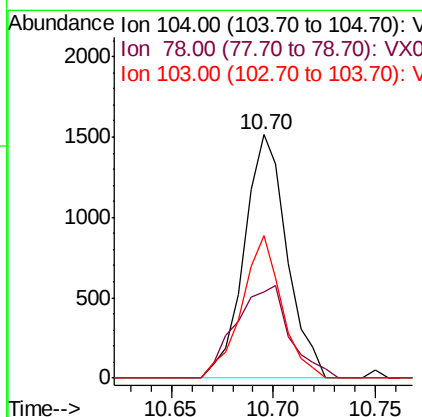
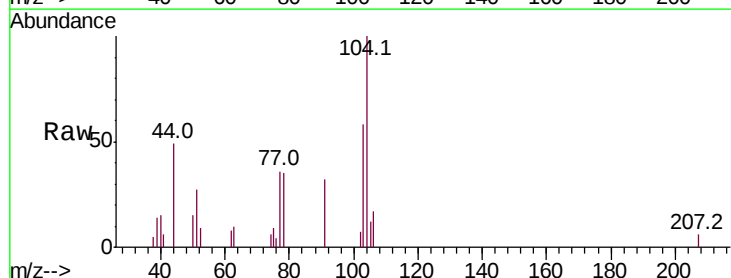
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

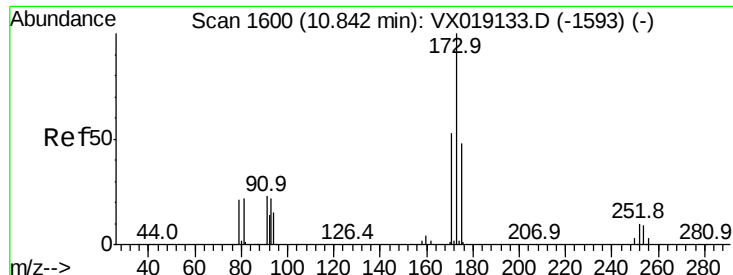
Tot Ion:106 Resp: 1263
Ion Ratio Lower Upper
106 100
91 200.3 108.3 324.8



#70
Styrene
Concen: 0.236 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion:104 Resp: 2202
Ion Ratio Lower Upper
104 100
78 48.1 40.0 60.0
103 54.8 43.5 65.3





#71

Bromoform

Concen: 0.205 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

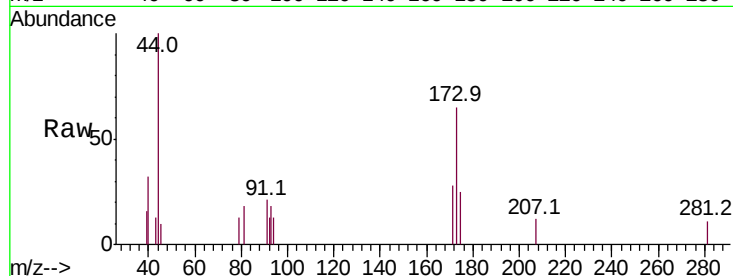
Tot Ion:173 Resp: 504

Ion Ratio Lower Upper

173 100

175 53.6 24.4 73.4

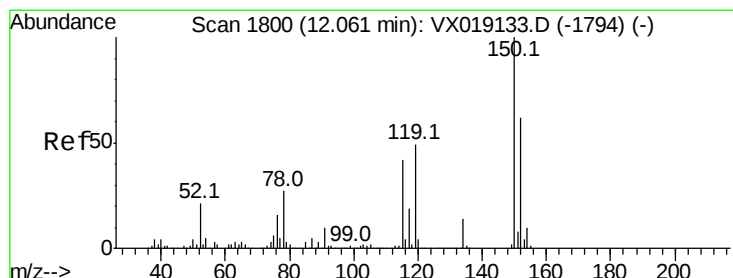
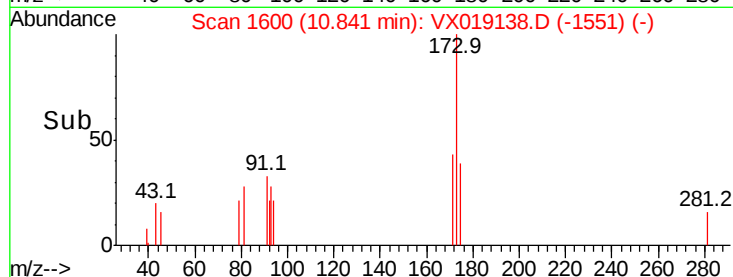
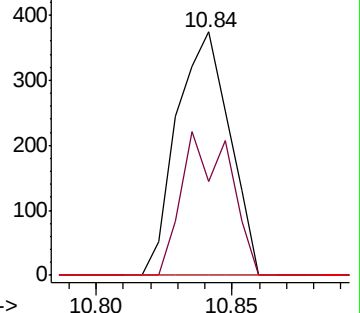
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

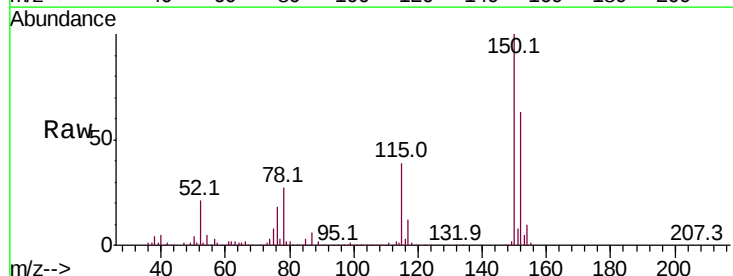
Tgt Ion:152 Resp: 199433

Ion Ratio Lower Upper

152 100

115 61.5 41.9 125.7

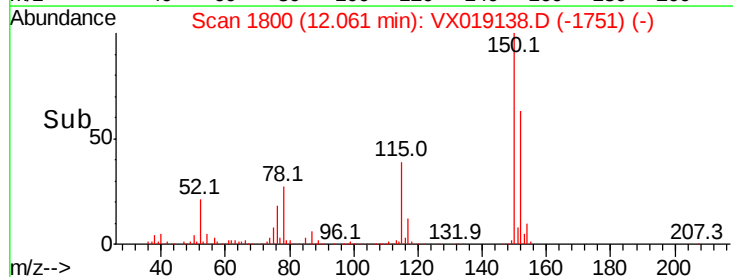
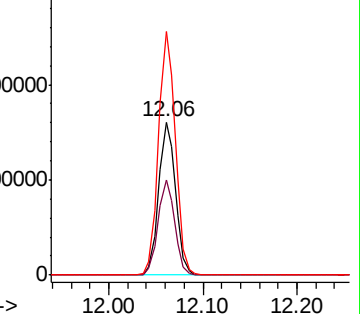
150 158.8 0.0 347.8

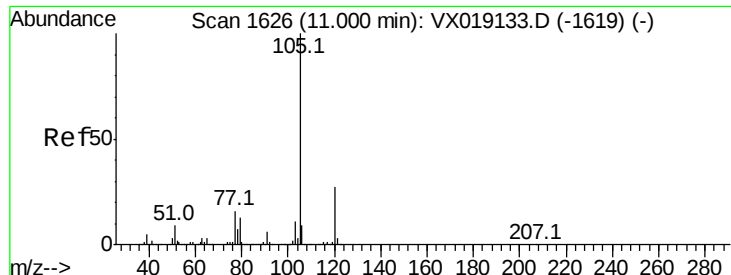


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.214 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

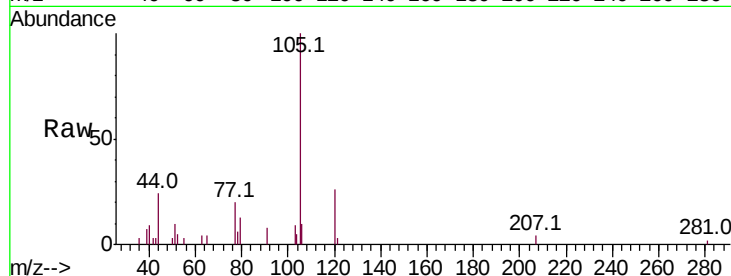
MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 3018

Ion Ratio Lower Upper

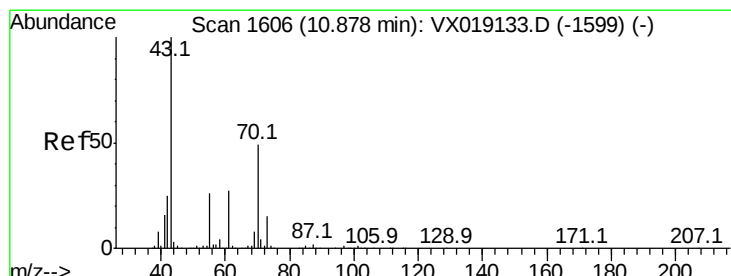
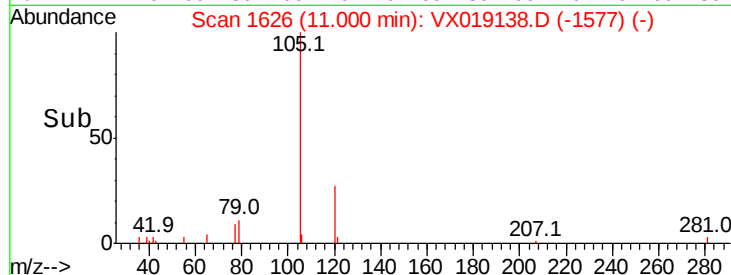
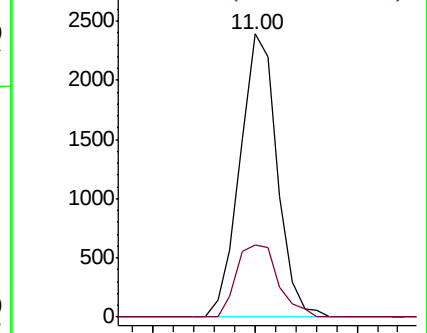
105 100

120 28.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.286 ug/l

RT: 10.88 min Scan# 1607

Delta R.T. 0.01 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Tgt Ion: 43 Resp: 1477

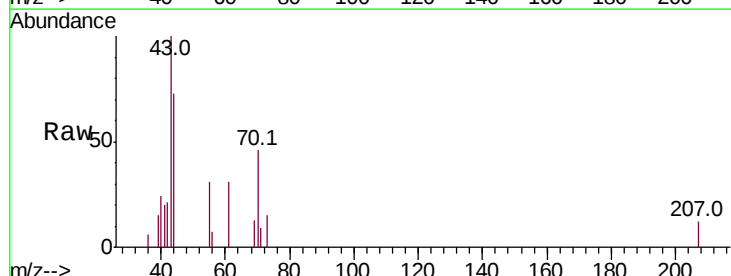
Ion Ratio Lower Upper

43 100

70 33.5 39.6 59.4#

55 25.9 20.7 31.1

61 22.7 21.9 32.9

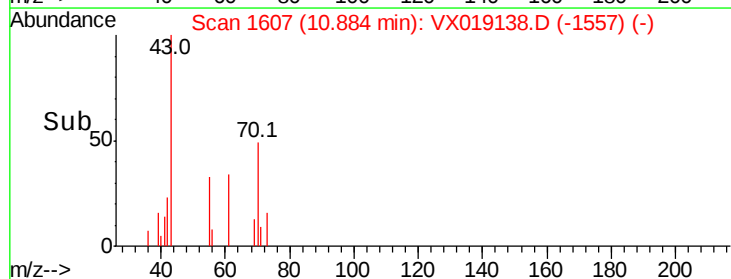
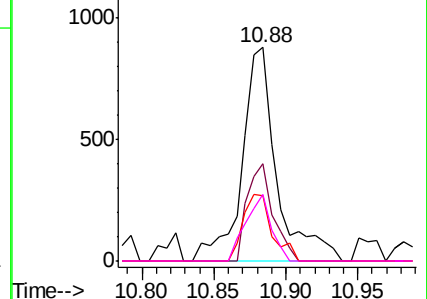


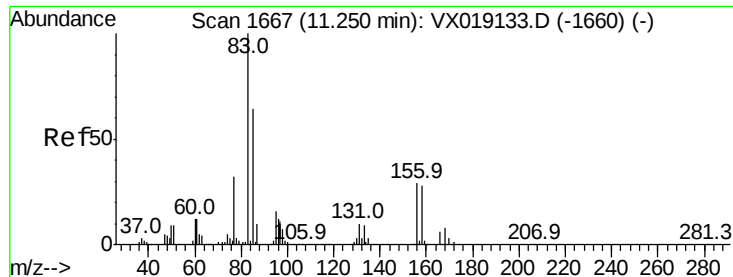
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.235 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

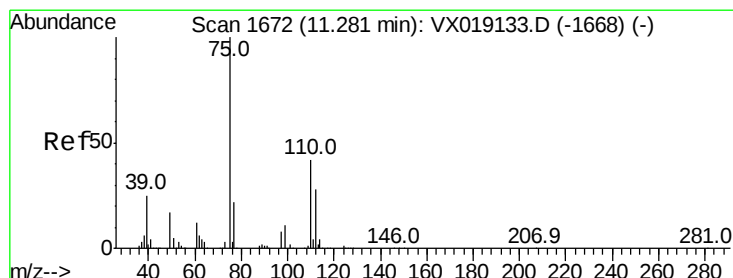
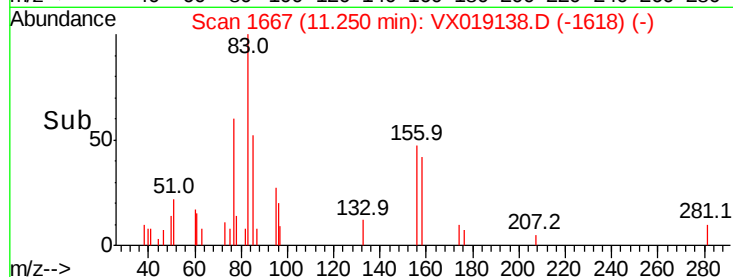
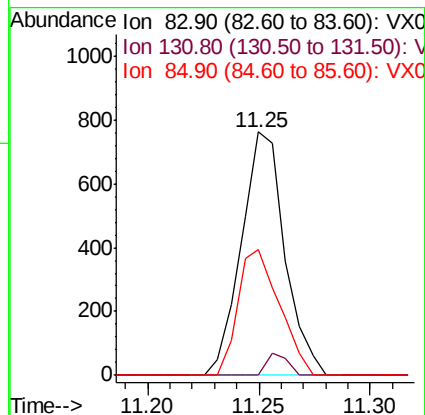
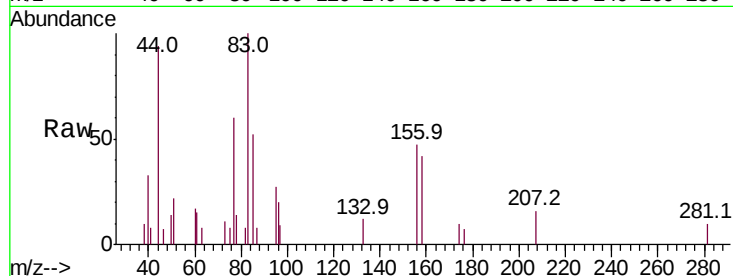
Tot Ion: 83 Resp: 1036

Ion Ratio Lower Upper

83 100

131 4.2 5.2 15.6#

85 49.2 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 23.557 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019138.D

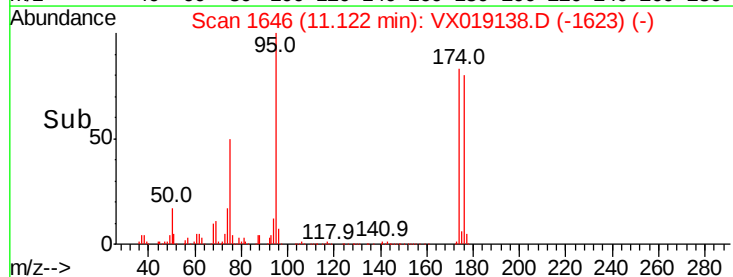
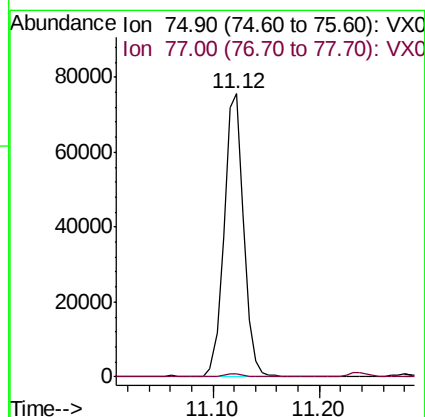
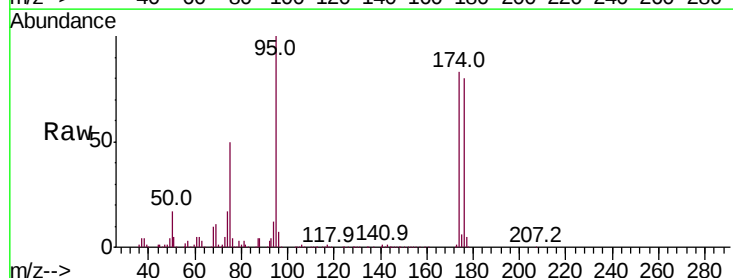
Acq: 27 Oct 2020 16:04

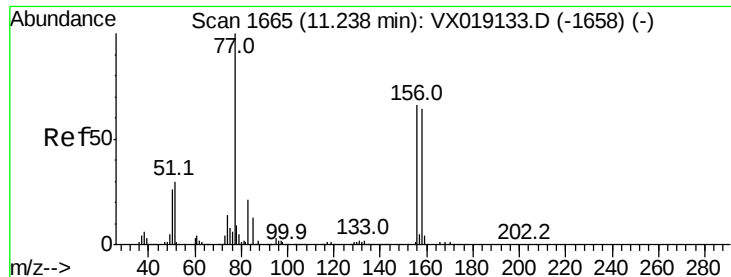
Tgt Ion: 75 Resp: 97003

Ion Ratio Lower Upper

75 100

77 1.1 20.3 60.9#





#77

Bromobenzene

Concen: 0.283 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

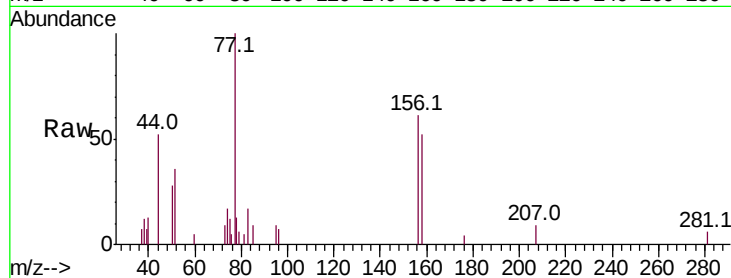
Tot Ion:156 Resp: 992

Ion Ratio Lower Upper

156 100

77 174.2 77.7 233.1

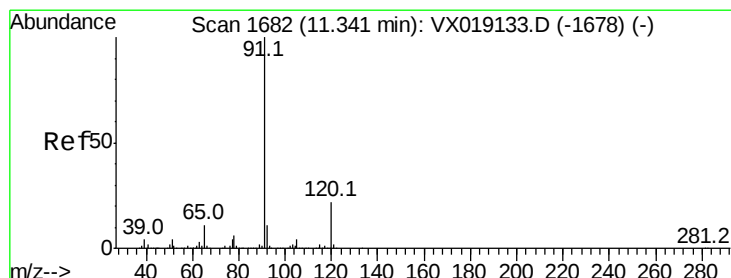
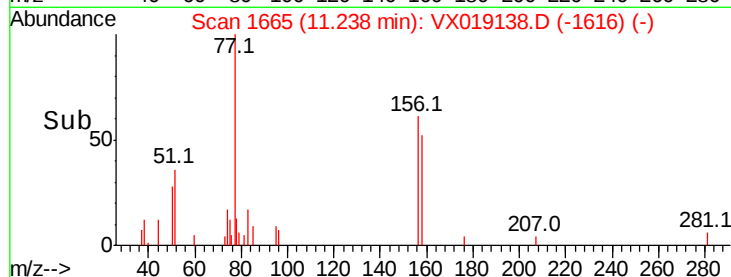
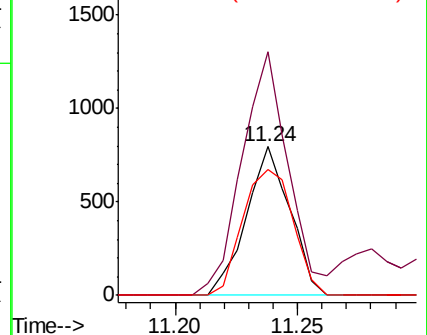
158 97.7 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.249 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019138.D

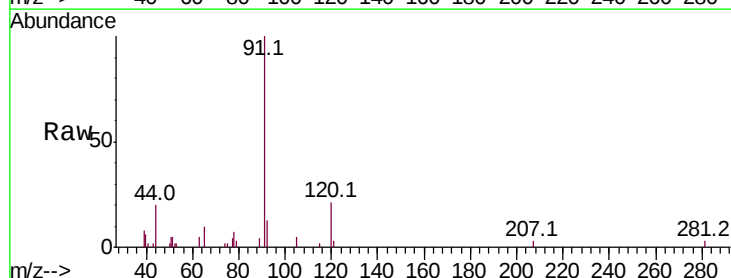
Acq: 27 Oct 2020 16:04

Tgt Ion: 91 Resp: 4019

Ion Ratio Lower Upper

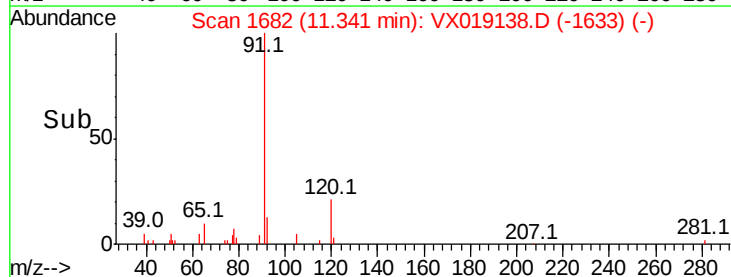
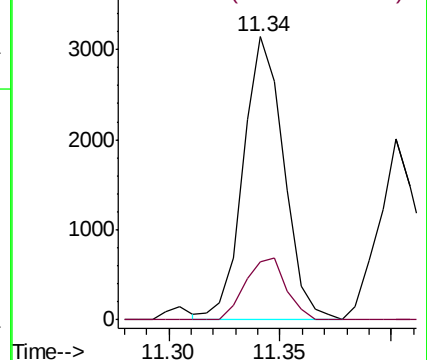
91 100

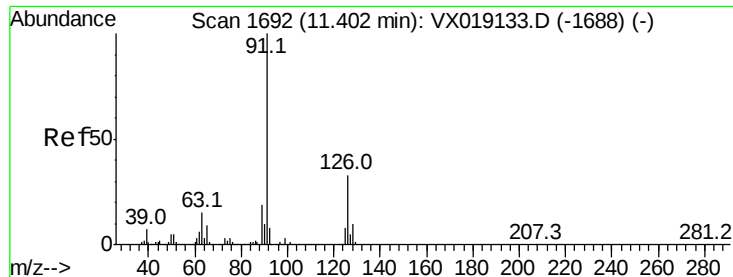
120 21.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

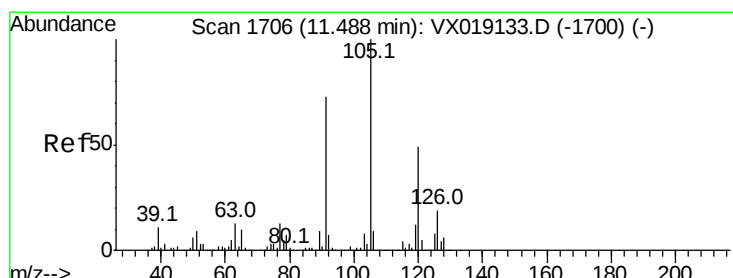
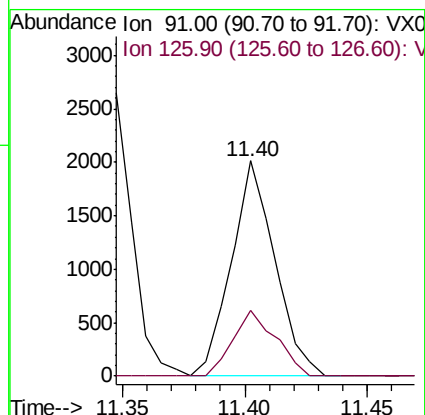
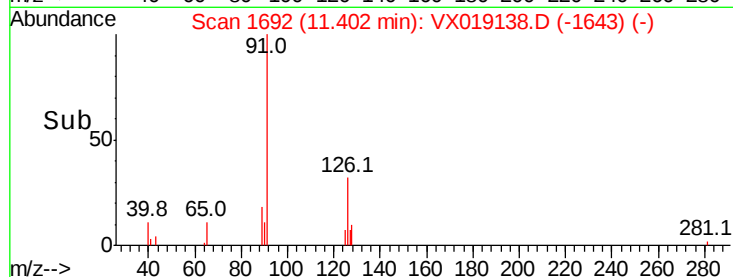
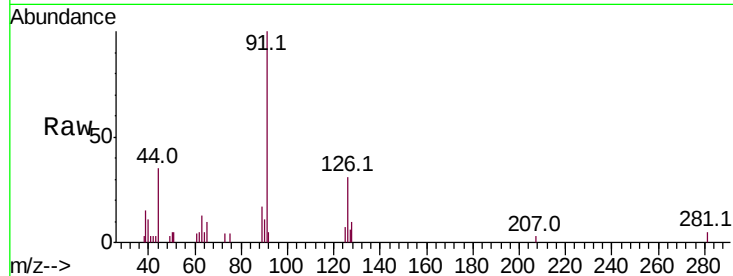




#79
2-Chlorotoluene
Concen: 0.264 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

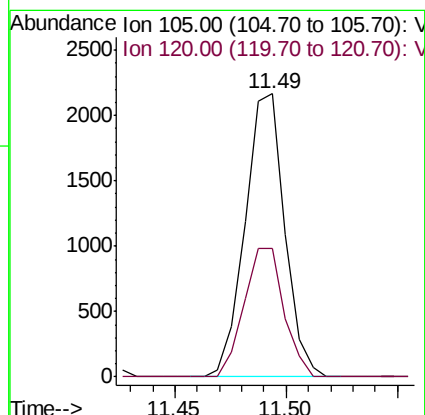
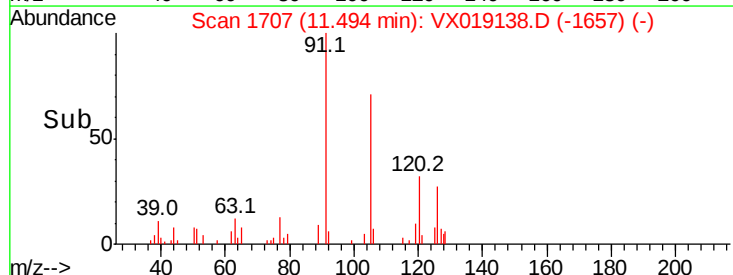
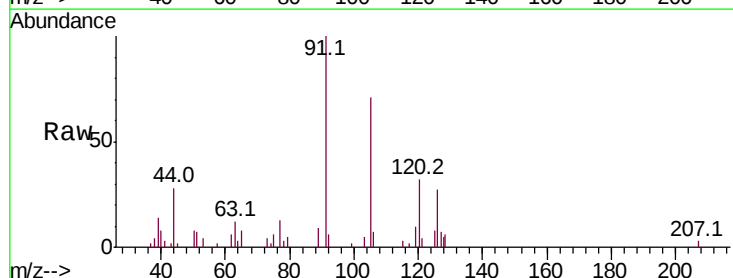
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

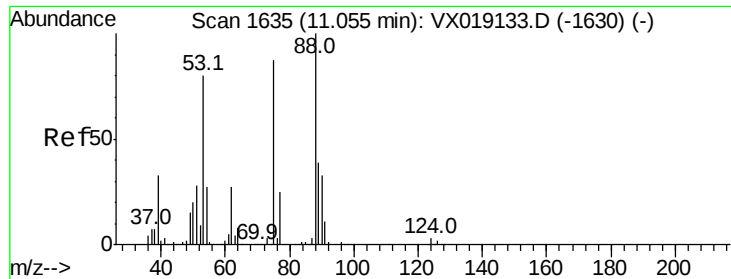
Tot Ion: 91 Resp: 2500
Ion Ratio Lower Upper
91 100
126 29.8 16.9 50.7



#80
1,3,5-Trimethylbenzene
Concen: 0.226 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 105 Resp: 2692
Ion Ratio Lower Upper
105 100
120 46.0 24.3 72.8

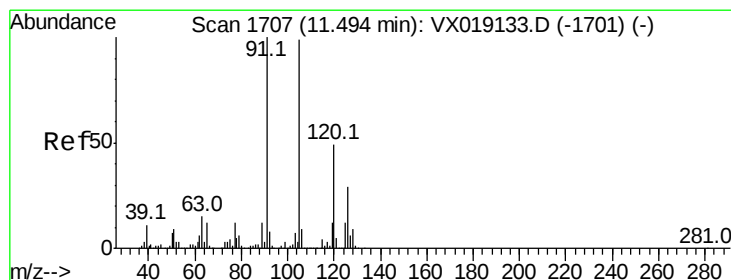
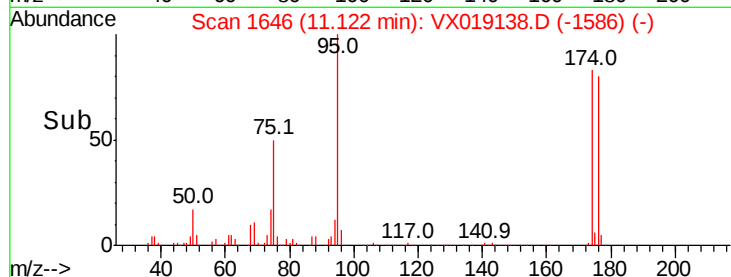
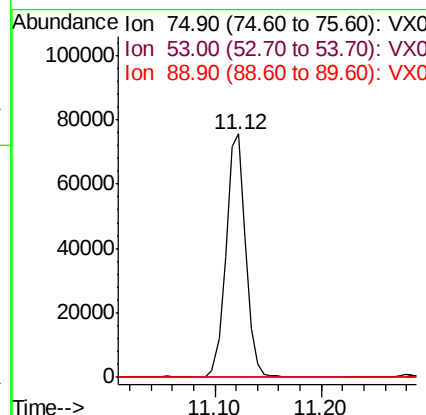
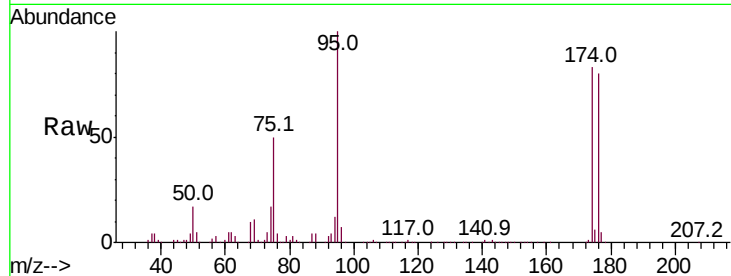




#81
trans-1,4-Dichloro-2-butene
Concen: 62.024 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

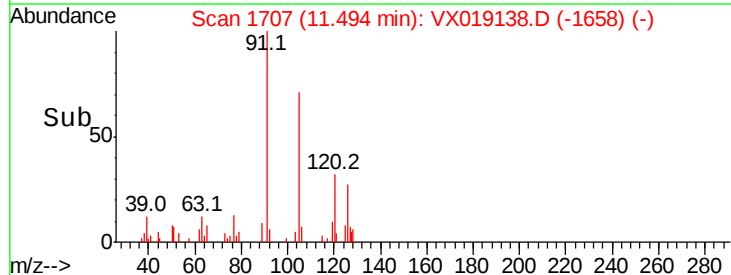
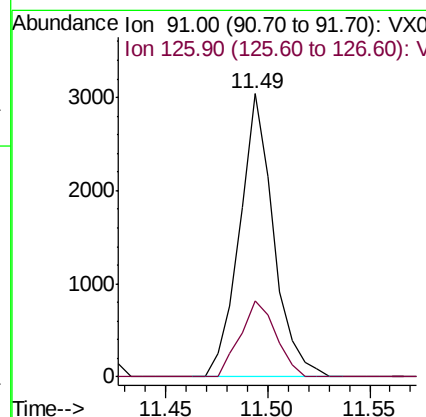
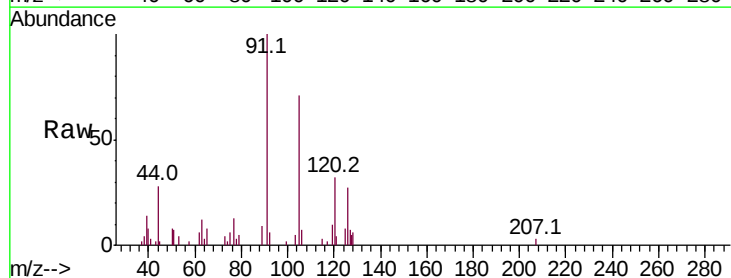
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

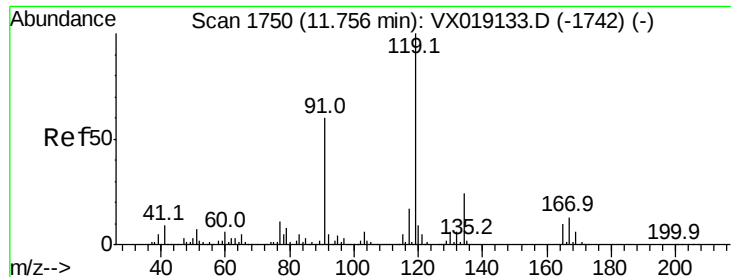
Tot Ion: 75 Resp: 97003
Ion Ratio Lower Upper
75 100
53 0.0 73.3 109.9#
89 0.0 38.2 57.2#



#82
4-Chlorotoluene
Concen: 0.303 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 91 Resp: 3507
Ion Ratio Lower Upper
91 100
126 28.2 14.8 44.4





#83

tert-Butylbenzene

Concen: 0.227 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

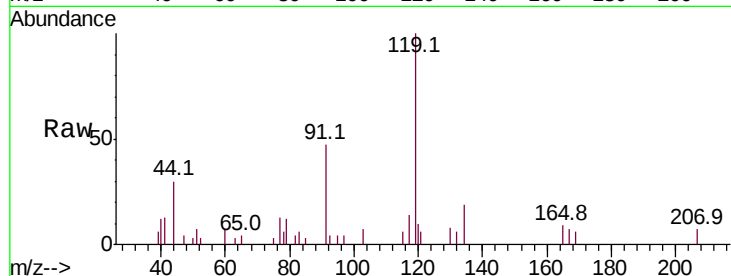
Tot Ion:119 Resp: 2594

Ion Ratio Lower Upper

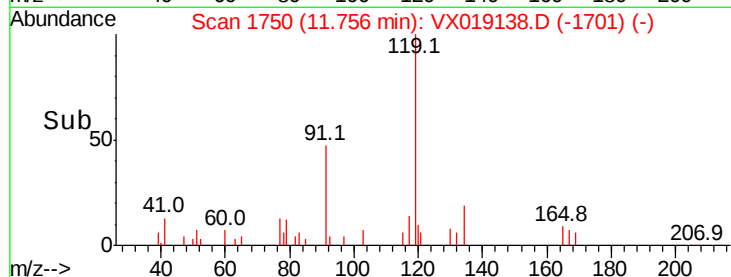
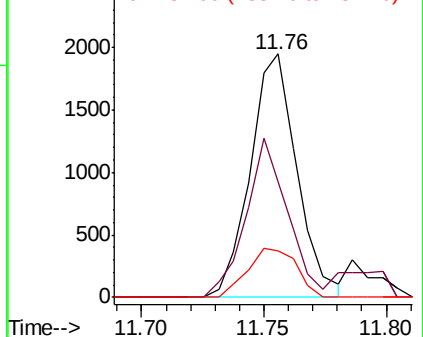
119 100

91 58.5 29.0 87.1

134 21.2 11.7 35.0



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.221 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019138.D

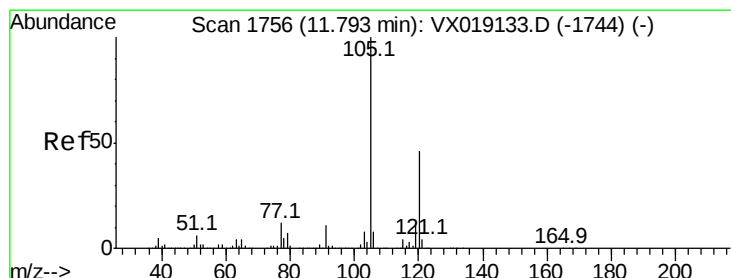
Acq: 27 Oct 2020 16:04

Tgt Ion:105 Resp: 2655

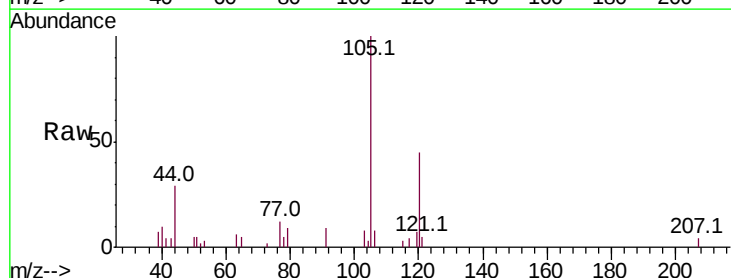
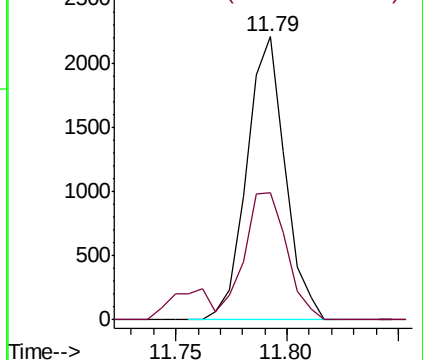
Ion Ratio Lower Upper

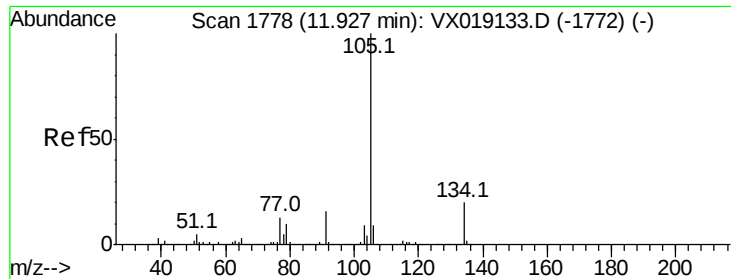
105 100

120 49.8 22.4 67.3



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

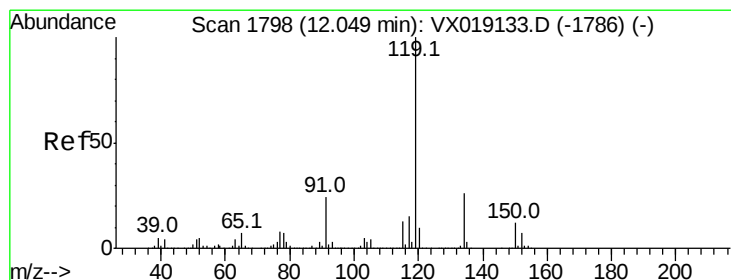
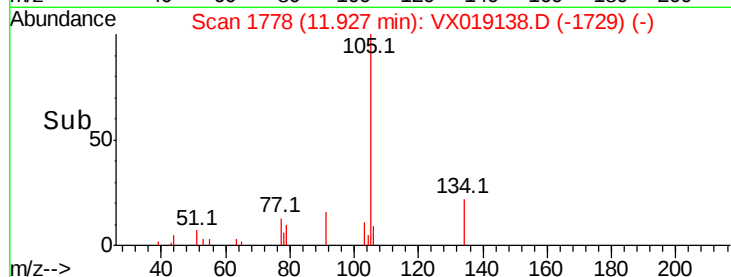
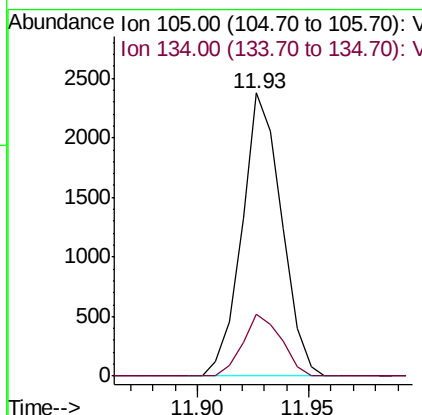
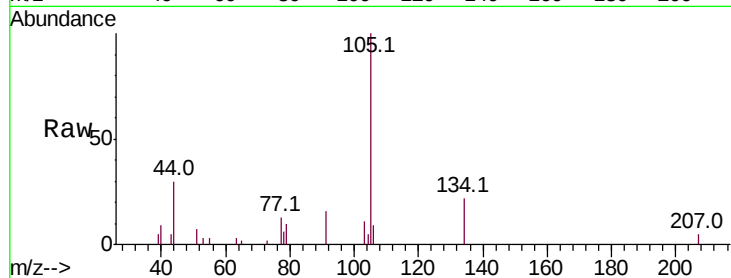




#85
 sec-Butylbenzene
 Concen: 0.215 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

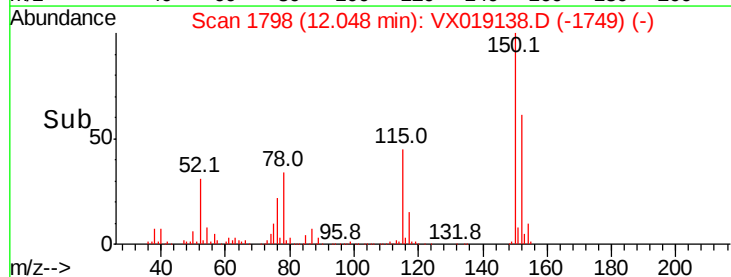
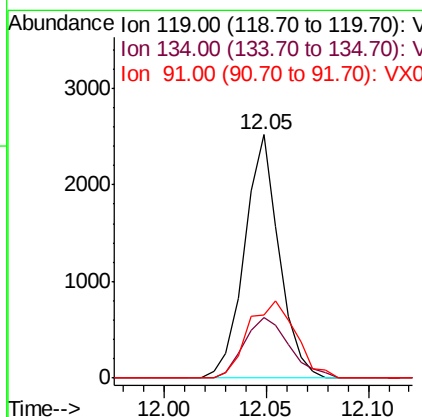
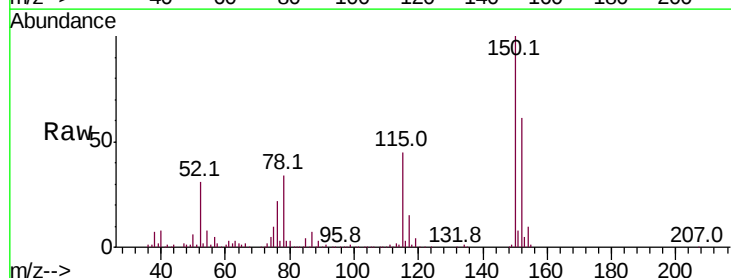
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

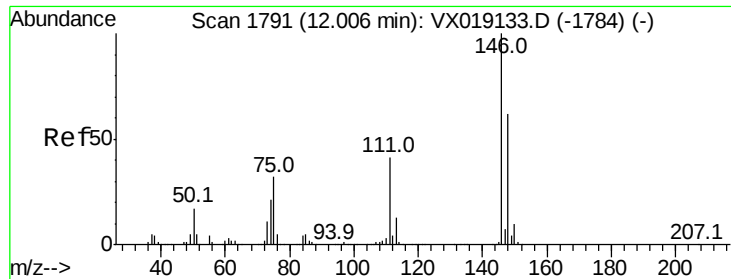
Tot Ion:105 Resp: 2950
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 0.234 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Tgt Ion:119 Resp: 2958
 Ion Ratio Lower Upper
 119 100
 134 32.8 12.9 38.7
 91 43.6 12.0 36.0#

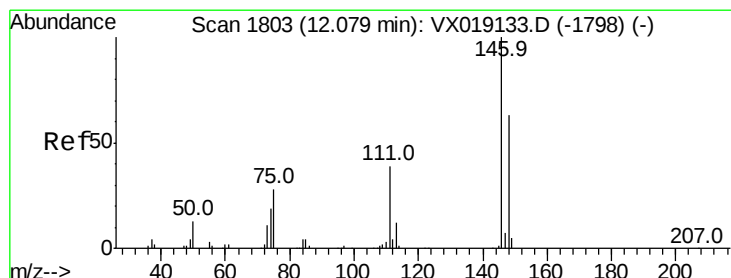
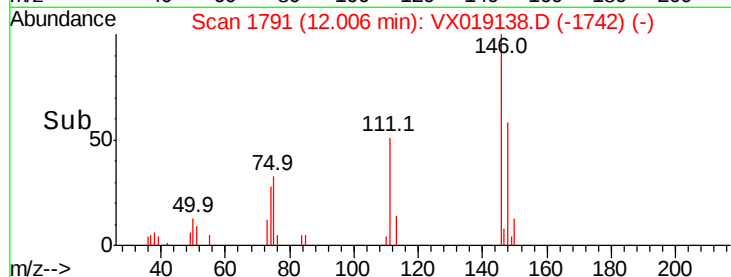
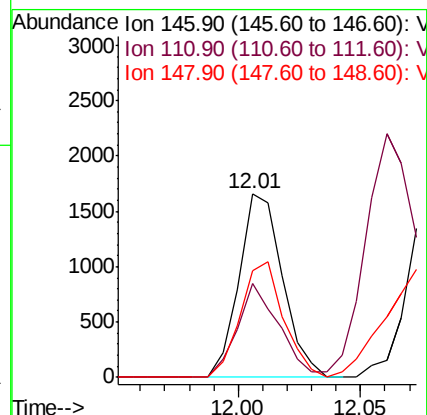
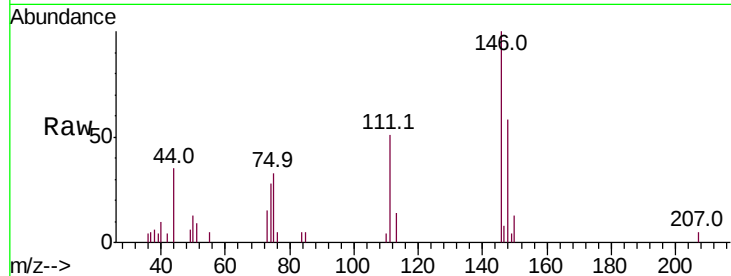




#87
 1,3-Dichlorobenzene
 Concen: 0.315 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

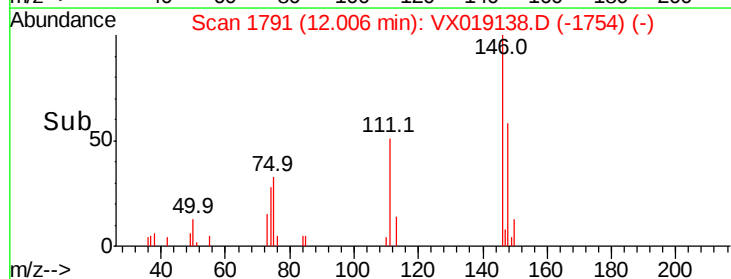
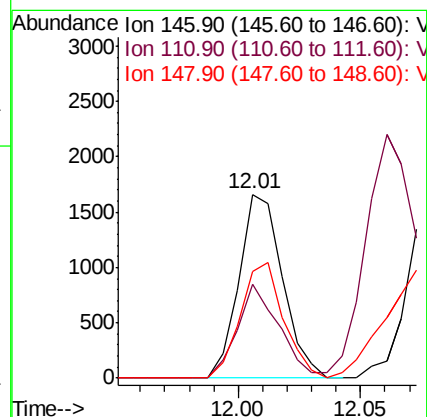
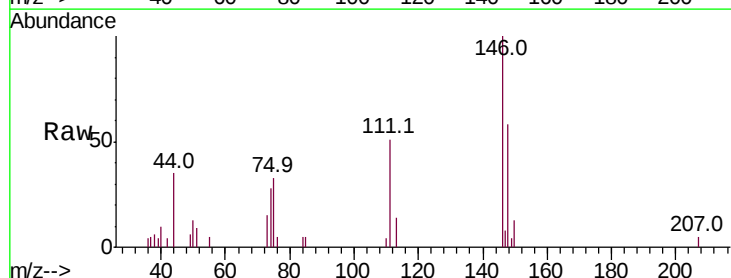
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

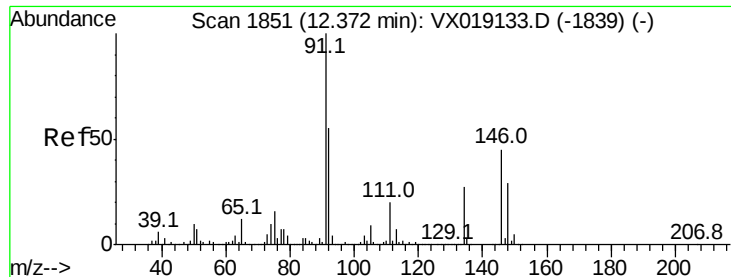
Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	20.4	61.2
148	62.4	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 0.302 ug/l
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.07 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.8	20.2	60.5
148	62.4	31.3	93.8

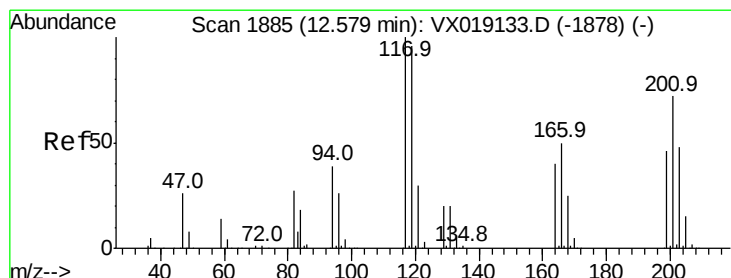
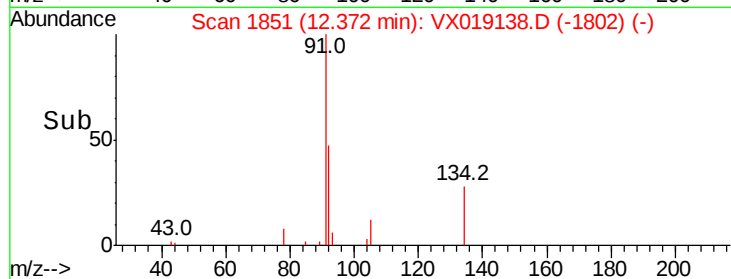
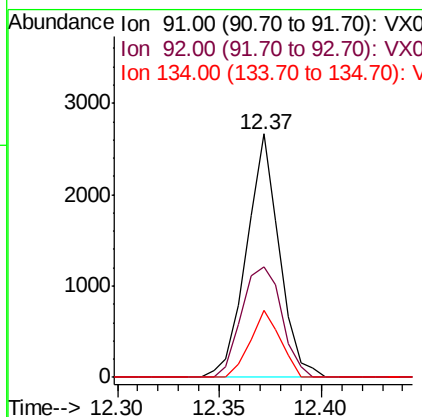
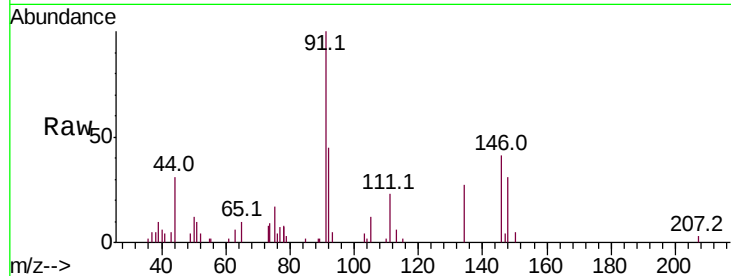




#89
n-Butylbenzene
Concen: 0.250 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

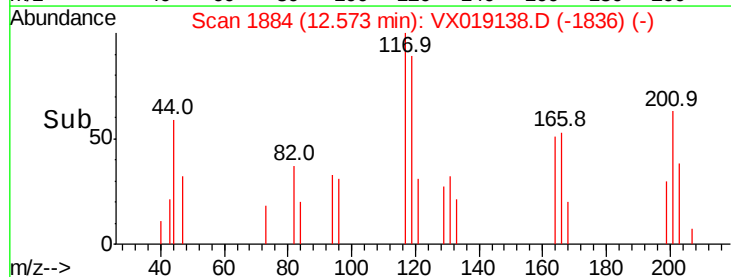
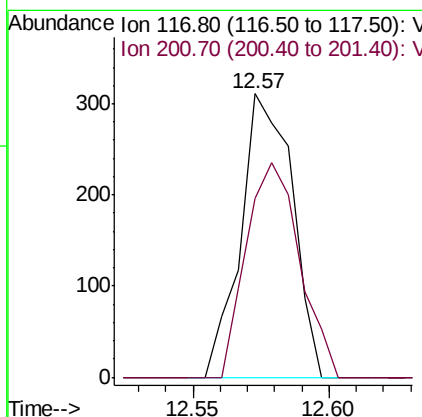
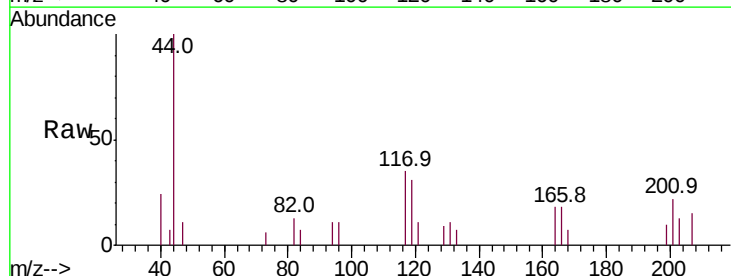
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

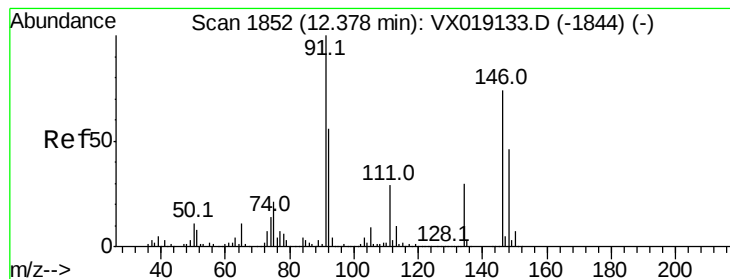
Tot Ion: 91 Resp: 2976
Ion Ratio Lower Upper
91 100
92 55.4 27.5 82.4
134 25.3 13.2 39.6



#90
Hexachloroethane
Concen: 0.190 ug/l
RT: 12.57 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VX019138.D
Acq: 27 Oct 2020 16:04

Tgt Ion: 117 Resp: 408
Ion Ratio Lower Upper
117 100
201 78.4 38.5 115.3





#91

1,2-Dichlorobenzene

Concen: 0.262 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

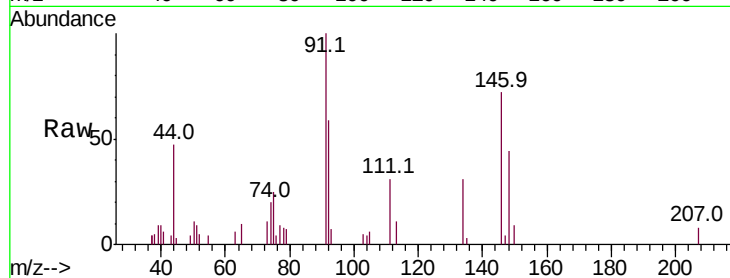
Tot Ion:146 Resp: 1644

Ion Ratio Lower Upper

146 100

111 42.9 21.2 63.6

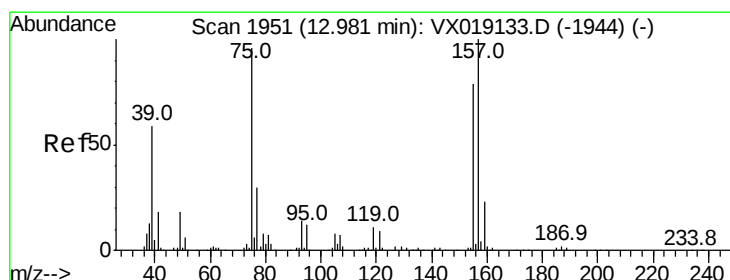
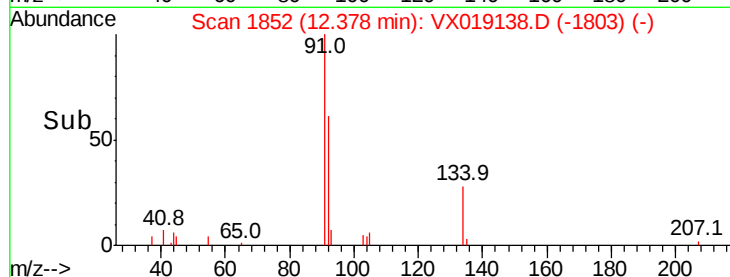
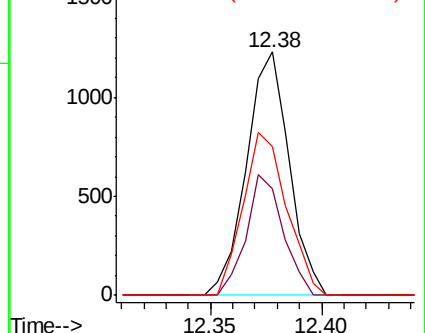
148 68.2 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.207 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

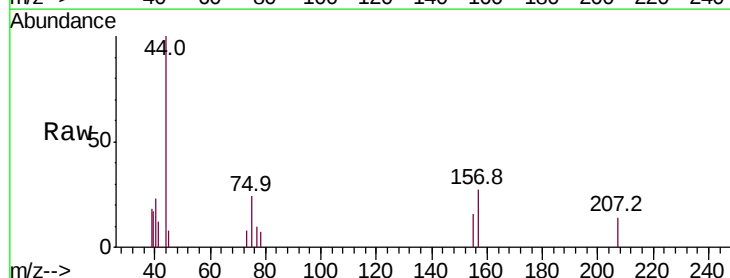
Tgt Ion: 75 Resp: 224

Ion Ratio Lower Upper

75 100

155 72.8 42.8 128.4

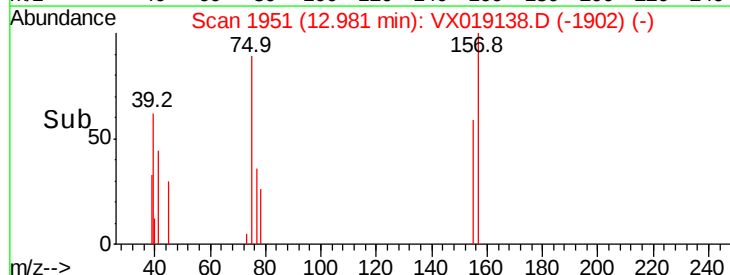
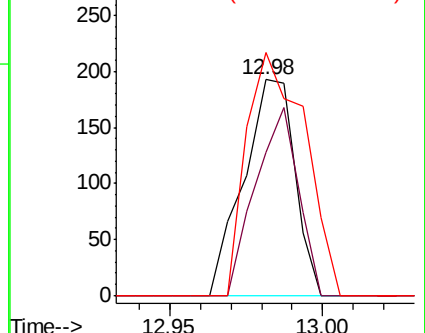
157 127.7 54.8 164.4

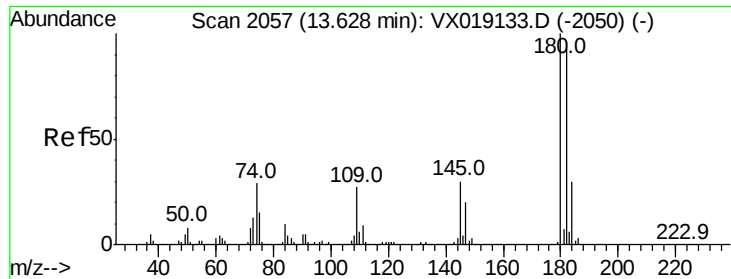


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

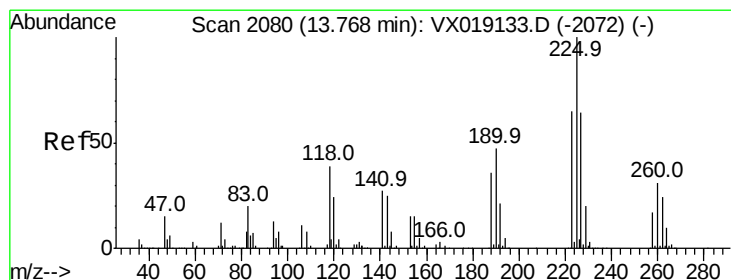
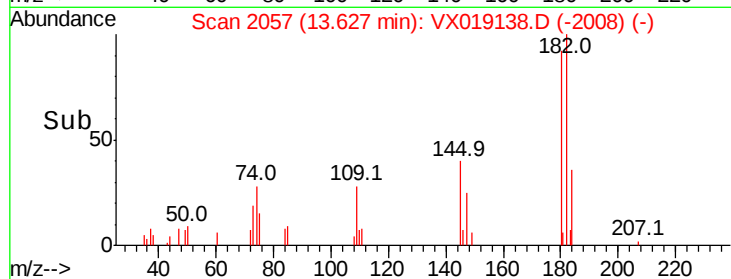
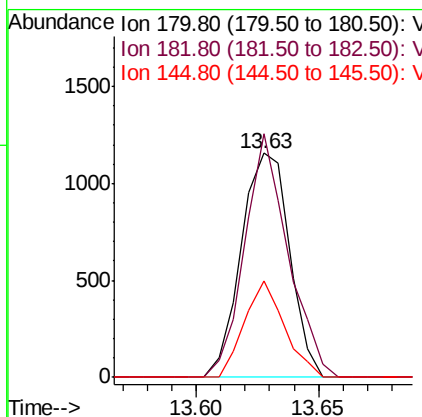
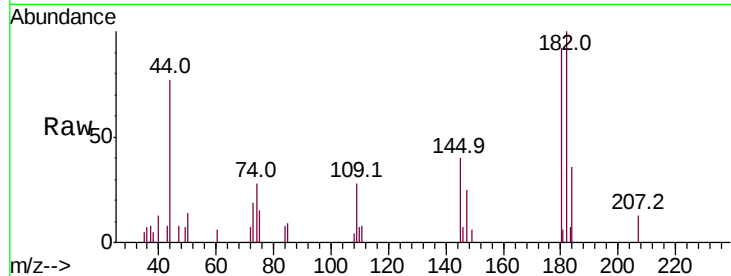




#93
 1,2,4-Trichlorobenzene
 Concen: 0.339 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

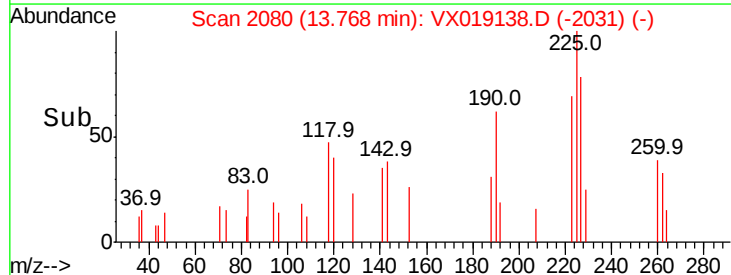
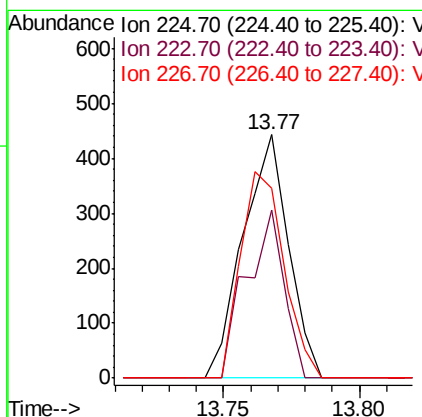
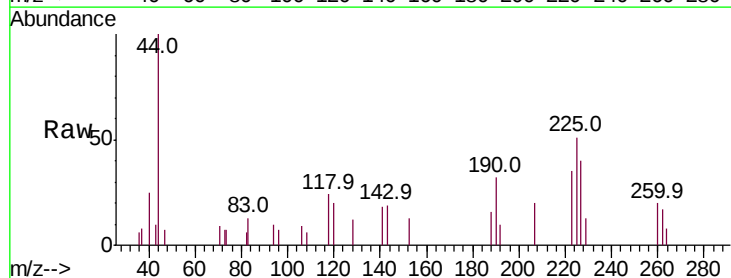
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

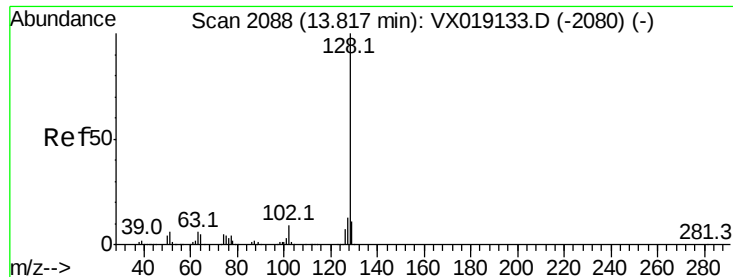
Tot Ion:180 Resp: 1596
 Ion Ratio Lower Upper
 180 100
 182 97.4 46.8 140.3
 145 35.5 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 0.247 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX019138.D
 Acq: 27 Oct 2020 16:04

Tgt Ion:225 Resp: 512
 Ion Ratio Lower Upper
 225 100
 223 57.2 32.4 97.2
 227 80.9 31.6 94.7





#95

Naphthalene

Concen: 0.277 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

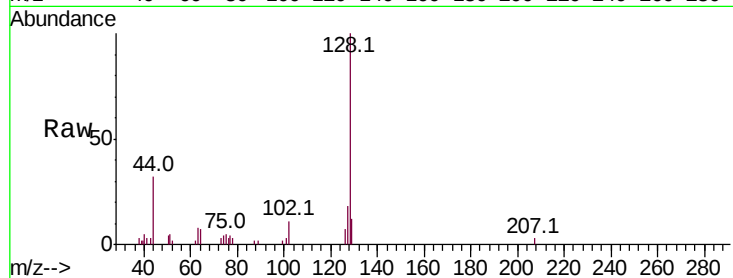
Tot Ion:128 Resp: 4112

Ion Ratio Lower Upper

128 100

127 14.3 10.3 15.5

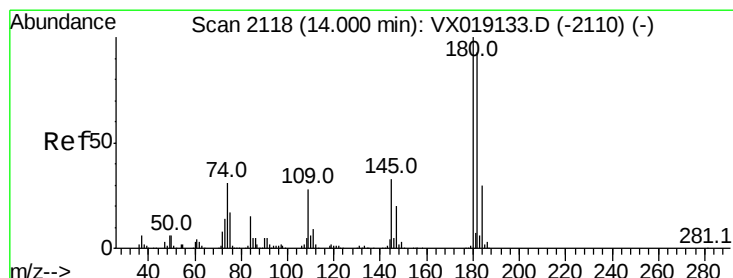
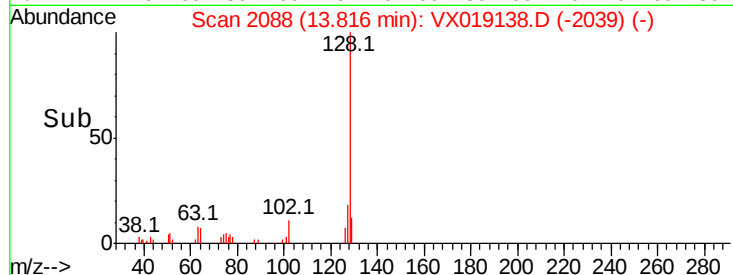
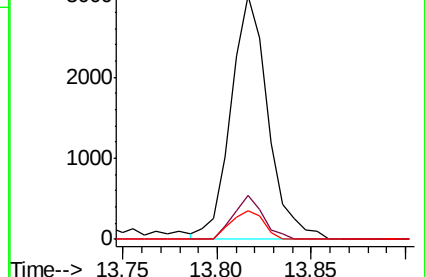
129 10.3 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 0.288 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX019138.D

Acq: 27 Oct 2020 16:04

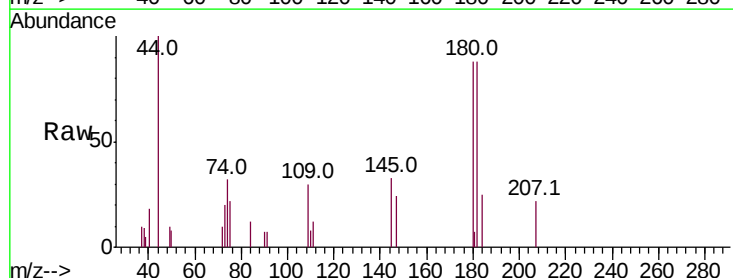
Tgt Ion:180 Resp: 1315

Ion Ratio Lower Upper

180 100

182 98.7 47.8 143.3

145 35.1 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

