

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071020\
 Data File : VX017328.D
 Acq On : 10 Jul 2020 12:15
 Operator : JC/SP
 Sample : L3216-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Quant Time: Jul 11 00:56:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 09 12:25:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	63231	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	326463	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	315295	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	140357	30.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.93%
60) 4-Bromofluorobenzene	11.12	95	146133	27.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.57%
63) Toluene-d8	8.70	98	404903	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	7823	2.830 ug/l	97
3) Chloromethane	1.32	50	7345	2.494 ug/l	99
4) Vinyl Chloride	1.39	62	7444	2.453 ug/l	96
5) Bromomethane	1.63	94	6175	3.053 ug/l	87
6) Chloroethane	1.71	64	5142	2.563 ug/l	96
7) Trichlorofluoromethane	1.92	101	13578	2.519 ug/l	93
8) Diethyl Ether	2.17	74	4615	2.413 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	8087	2.744 ug/l	95
10) 1,1-Dichloroethene	2.36	96	7302	2.513 ug/l	95
11) Methyl Iodide	2.49	142	6114	1.787 ug/l	94
12) Methyl Acetate	2.75	43	10300	2.544 ug/l	94
13) Acrolein	2.28	56	5456	10.421 ug/l	88
14) Acrylonitrile	3.11	53	23559	12.897 ug/l	97
15) Acetone	2.42	58	5920	12.850 ug/l	96
16) Carbon Disulfide	2.55	76	17059	2.165 ug/l	98
17) Allyl chloride	2.71	41	13375	2.474 ug/l	96
18) Methylene Chloride	2.84	84	10358	2.894 ug/l	95
19) trans-1,2-Dichloroethene	3.14	96	8390	2.470 ug/l	94
20) Diisopropyl ether	3.82	45	26842	2.484 ug/l #	85
21) 1,1-Dichloroethane	3.67	63	16392	2.706 ug/l	97
22) cis-1,2-Dichloroethene	4.57	96	10152	2.619 ug/l	98
23) tert-Butyl Alcohol	3.01	59	9823	13.032 ug/l #	99
24) Methyl tert-Butyl Ether	3.17	73	27154	2.448 ug/l	99
25) Chloroform	5.18	83	17179	2.662 ug/l	91
26) Cyclohexane	5.55	56	10742	2.276 ug/l #	97
29) 1,1-Dichloropropene	5.76	75	11008	2.445 ug/l	96
30) 2-Butanone	4.64	43	30664	12.453 ug/l	98
31) 2,2-Dichloropropane	4.55	77	15103m	2.678 ug/l	
32) 1,1,1-Trichloroethane	5.47	97	15883	2.710 ug/l #	83
33) Carbon Tetrachloride	5.76	117	13623	2.520 ug/l	98
34) Benzene	6.12	78	34374	2.566 ug/l	97
35) Methacrylonitrile	5.02	41	6958	2.524 ug/l	83
36) 1,2-Dichloroethane	6.16	62	13504	2.560 ug/l #	92
37) Trichloroethene	7.19	130	10154	2.520 ug/l	99
38) Methylcyclohexane	7.44	83	10813	2.279 ug/l	96
39) 1,2-Dichloropropane	7.49	63	8955	2.558 ug/l	99
40) Dibromomethane	7.65	93	6556	2.600 ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 09 12:25:06 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.88	83	13850	2.632	ug/l	93
42) Vinyl Acetate	3.79	43	105737	11.236	ug/l	100
43) Ethyl Acetate	4.81	43	12165	2.512	ug/l	100
44) Isopropyl Acetate	6.42	43	19661	2.440	ug/l	98
45) 1,4-Dioxane	7.72	88	3293	42.868	ug/l #	89
46) Methyl methacrylate	7.75	41	8558	2.180	ug/l	92
47) n-amyl Acetate	10.88	43	14224	1.993	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	13297	2.289	ug/l	100
49) cis-1,3-Dichloropropene	8.41	75	14891	2.449	ug/l	96
50) 1,1,2-Trichloroethane	9.20	97	9797	2.622	ug/l	98
51) Ethyl methacrylate	9.16	69	11681	2.146	ug/l	99
52) 1,3-Dichloropropane	9.35	76	14919	2.452	ug/l	95
53) Dibromochloromethane	9.57	129	10839	2.377	ug/l	95
54) 1,2-Dibromoethane	9.65	107	9768	2.445	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	34633	13.677	ug/l	99
56) Bromoform	10.84	173	8525	2.396	ug/l	96
58) 4-Methyl-2-Pentanone	8.62	43	58595	11.729	ug/l	98
59) 2-Hexanone	9.47	43	43394	11.394	ug/l	96
61) Tetrachloroethene	9.32	164	10747	2.676	ug/l	97
62) Toluene	8.76	91	36830	2.467	ug/l	98
64) Chlorobenzene	10.12	112	25569	2.568	ug/l	91
65) 1,1,1,2-Tetrachloroethane	10.20	131	10171	2.500	ug/l	97
66) Ethyl Benzene	10.24	91	37958	2.260	ug/l	97
67) m/p-Xylenes	10.34	106	28814	4.440	ug/l	98
68) o-Xylene	10.68	106	13051	2.116	ug/l	99
69) Styrene	10.70	104	22084	2.019	ug/l	98
70) Isopropylbenzene	11.00	105	36659	2.167	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	13191	2.487	ug/l	96
72) 1,2,3-Trichloropropane	11.28	75	13245m	2.542	ug/l	
73) Bromobenzene	11.24	156	11690	2.460	ug/l	97
74) n-propylbenzene	11.34	91	42633	2.176	ug/l	97
75) 2-Chlorotoluene	11.40	91	26599	2.227	ug/l	95
76) 1,3,5-Trimethylbenzene	11.49	105	30572	2.107	ug/l	100
77) t-1,4-Dichloro-2-butene	11.05	75	4121	2.074	ug/l	97
78) 4-Chlorotoluene	11.49	91	32780	2.315	ug/l	98
79) tert-butylbenzene	11.76	119	30735	2.183	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	29609	2.022	ug/l	100
81) sec-Butylbenzene	11.93	105	34014	2.096	ug/l	99
82) p-Isopropyltoluene	12.05	119	30011	1.955	ug/l	98
83) 1,3-Dichlorobenzene	12.01	146	19976	2.336	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	19295	2.230	ug/l	97
85) n-Butylbenzene	12.37	91	26233	2.023	ug/l	98
86) Hexachloroethane	12.58	117	6450	2.172	ug/l	98
87) 1,2-Dichlorobenzene	12.38	146	18748	2.292	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	3255	2.532	ug/l	95
89) 1,2,4-Trichlorobenzene	13.63	180	11796	2.127	ug/l	98
90) Hexachlorobutadiene	13.77	225	5916	2.659	ug/l	94
91) Naphthalene	13.82	128	31481	1.851	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	10993	1.993	ug/l	95

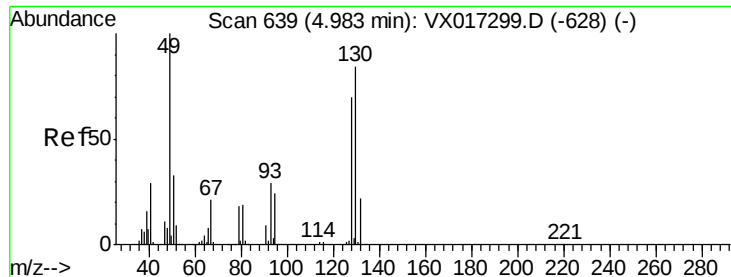
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071020\
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QLast Update : Thu Jul 09 12:25:06 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

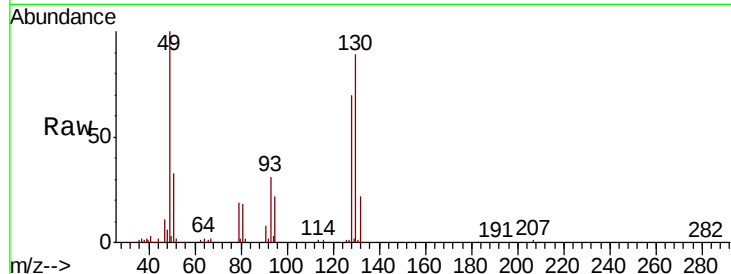


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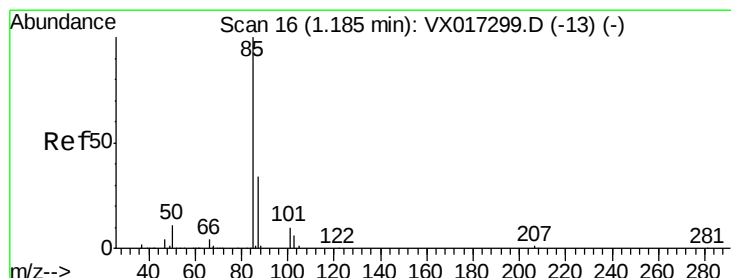
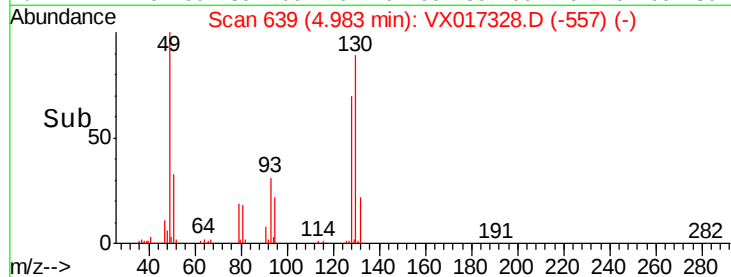
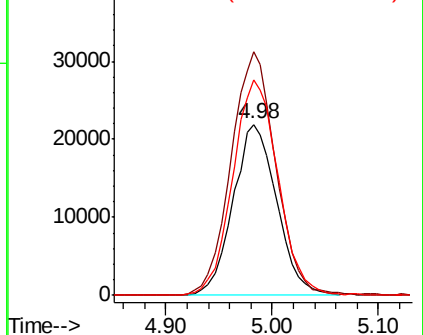
Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.98 min Scan# 639
 Delta R.T. -0.00 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Tot Ion:128 Resp: 63231
 Ion Ratio Lower Upper
 128 100
 49 145.6 0.0 358.8
 130 130.2 0.0 323.8



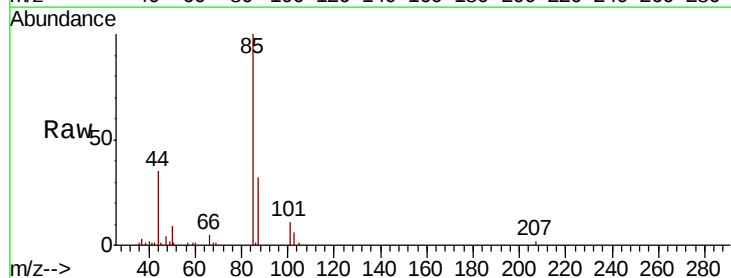
Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VX0
 Ion 130.00 (129.70 to 130.70): V



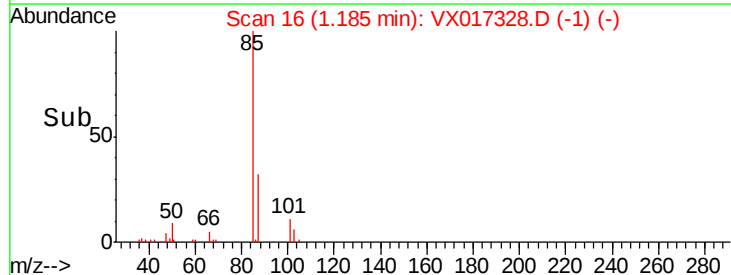
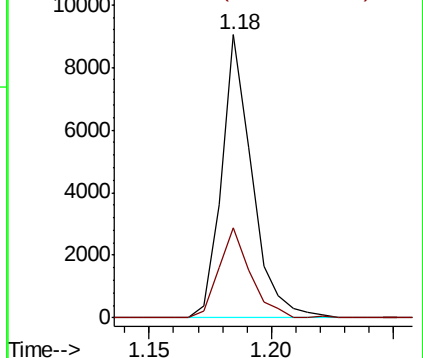
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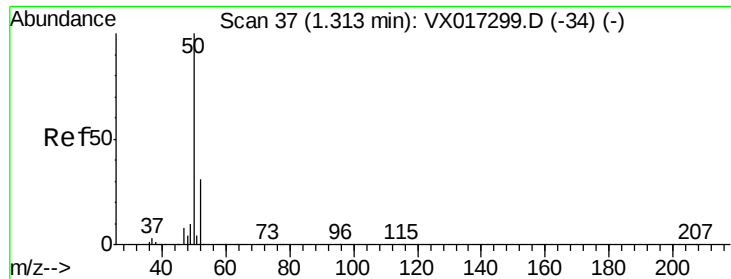
Dichlorodifluoromethane
 Concen: 2.830 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. -0.00 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Tgt Ion: 85 Resp: 7823
 Ion Ratio Lower Upper
 85 100
 87 31.8 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 2.494 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

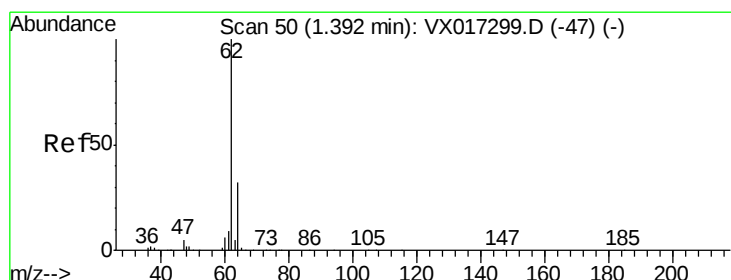
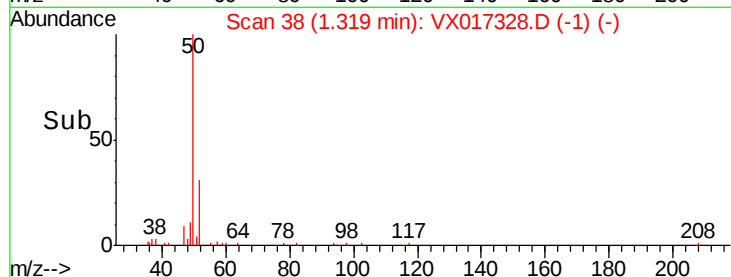
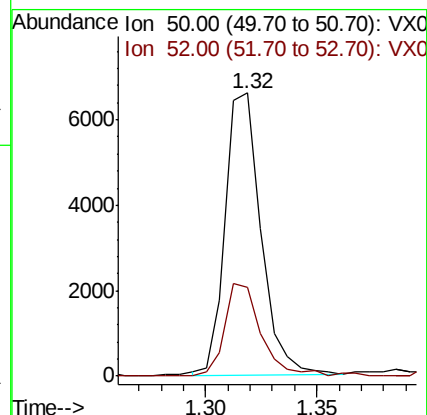
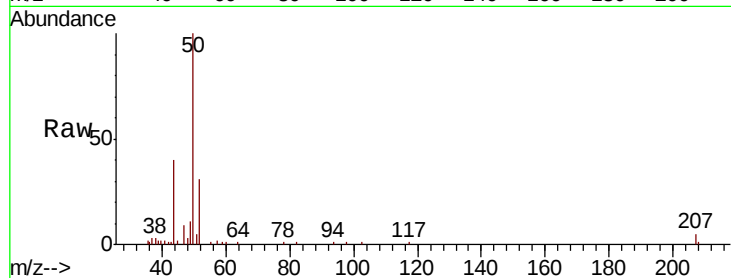
MDL-WATER-03-QT3-2020

Tot Ion: 50 Resp: 7345

Ion Ratio Lower Upper

50 100

52 31.6 24.8 37.2



#4

Vinyl Chloride

Concen: 2.453 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017328.D

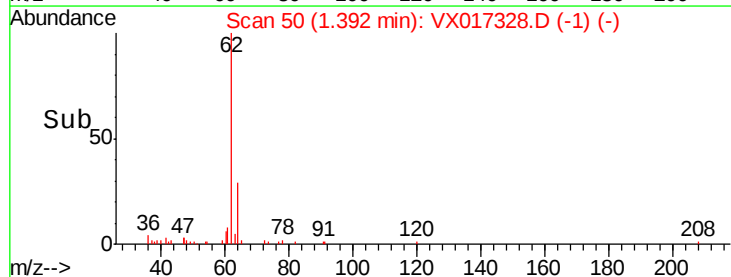
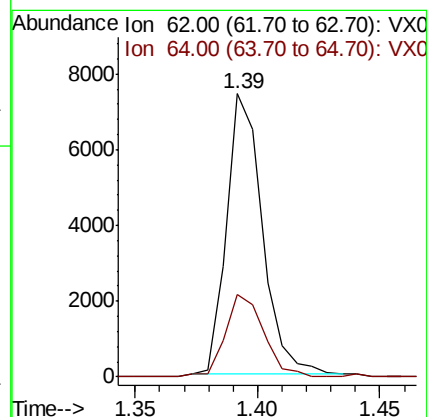
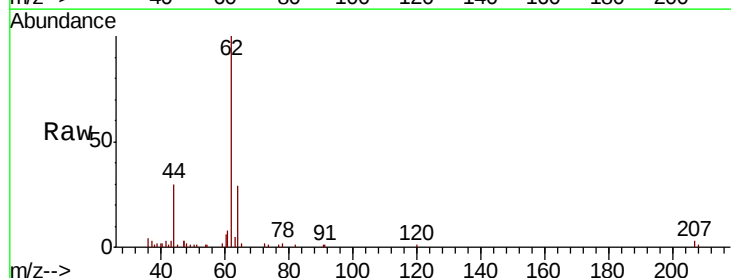
Acq: 10 Jul 2020 12:15

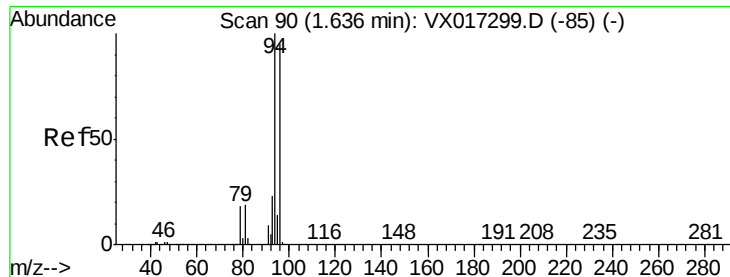
Tgt Ion: 62 Resp: 7444

Ion Ratio Lower Upper

62 100

64 29.3 25.3 37.9





#5

Bromomethane

Concen: 3.053 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

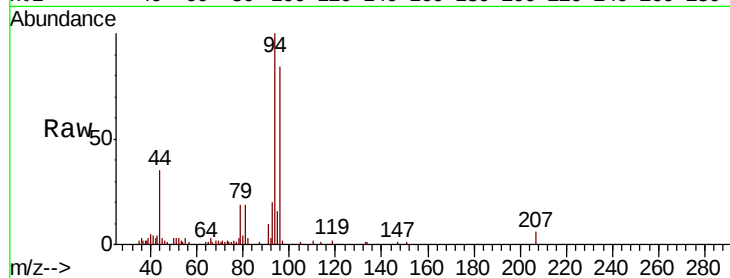
MDL-WATER-03-QT3-2020

Tot Ion: 94 Resp: 6175

Ion Ratio Lower Upper

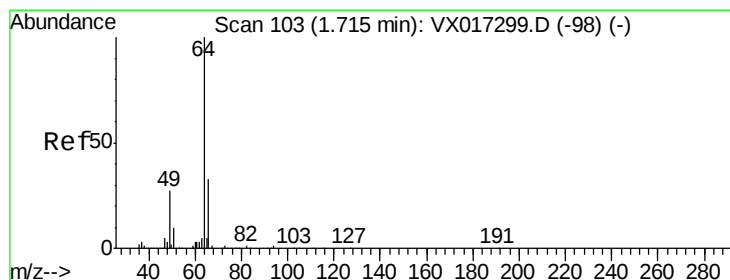
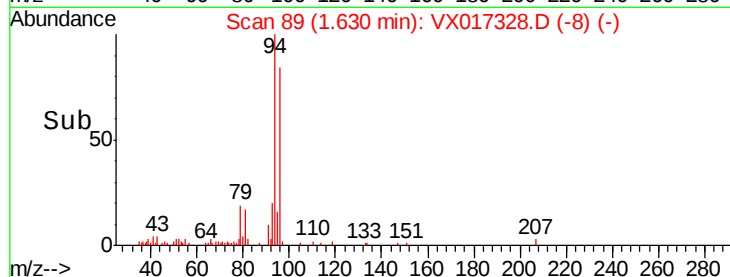
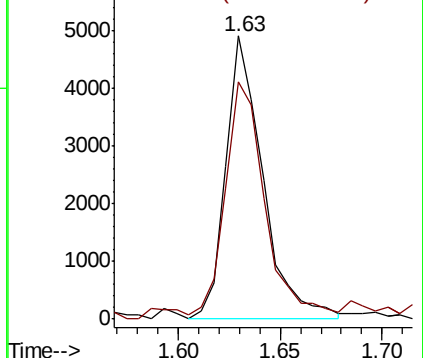
94 100

96 82.1 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 2.563 ug/l

RT: 1.71 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX017328.D

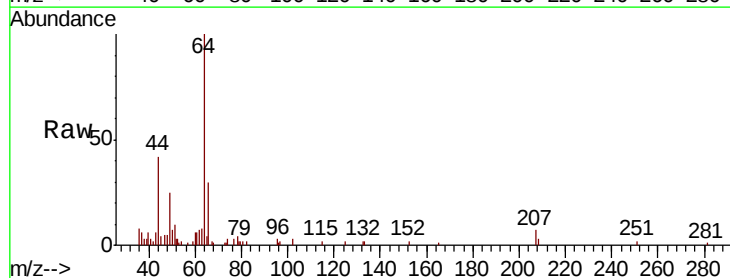
Acq: 10 Jul 2020 12:15

Tgt Ion: 64 Resp: 5142

Ion Ratio Lower Upper

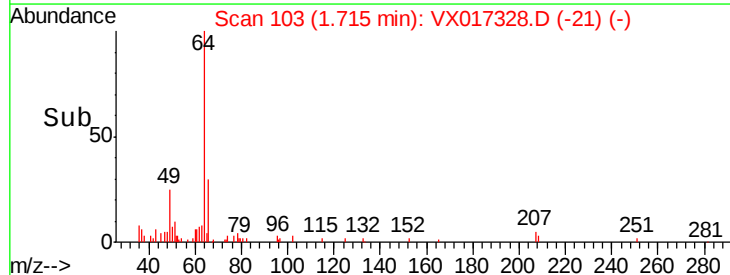
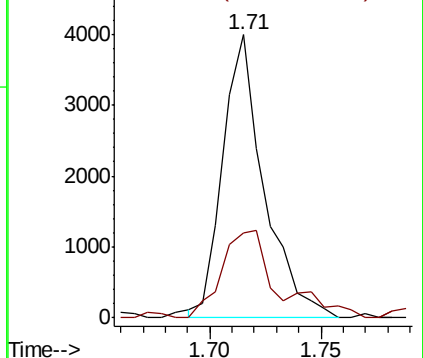
64 100

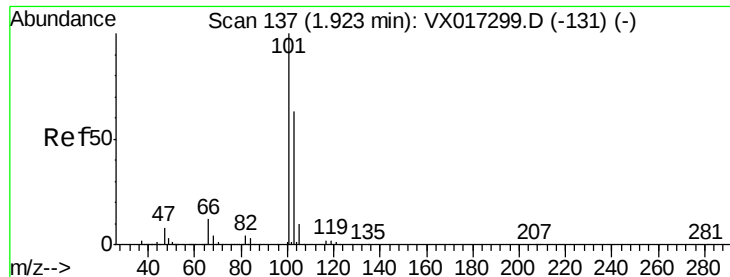
66 30.2 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0



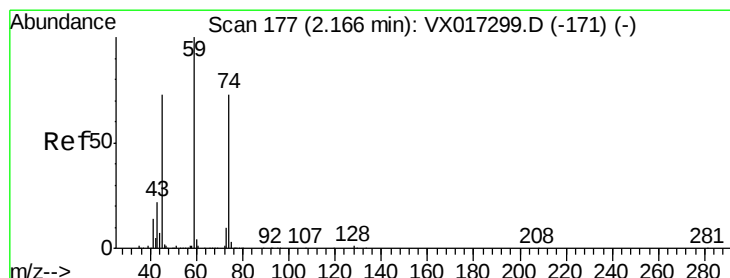
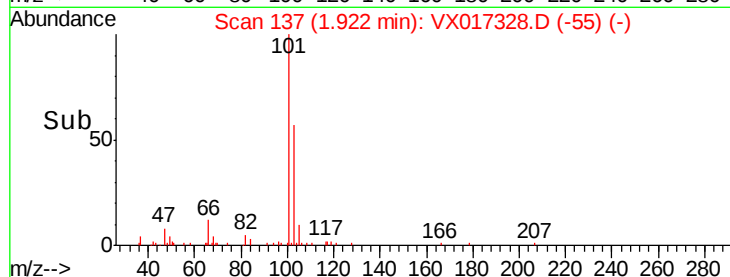
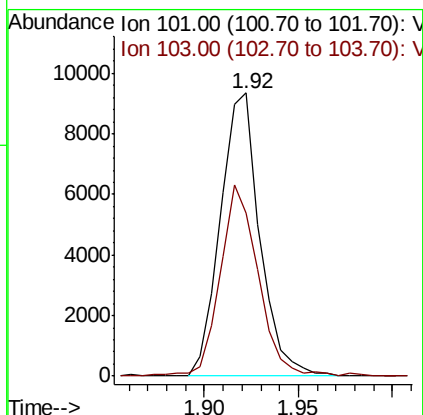
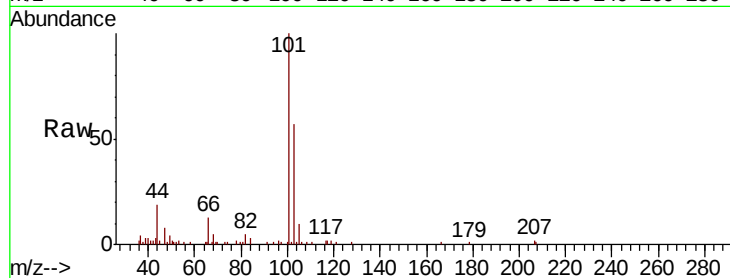


#7

Trichlorofluoromethane
 Concen: 2.519 ug/l
 RT: 1.92 min Scan# 137
 Delta R.T. -0.00 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Instrument :
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 MDL-WATER-03-QT3-2020

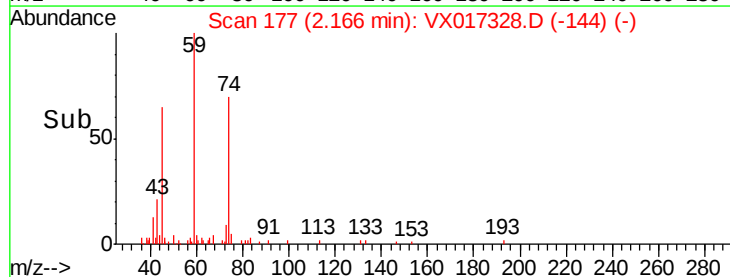
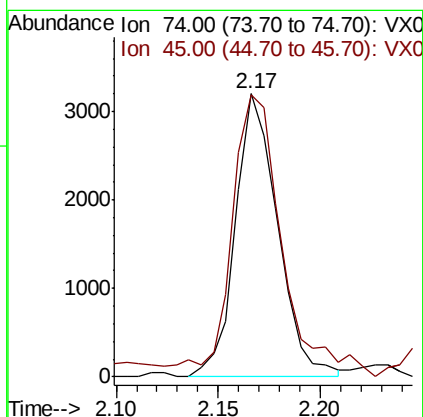
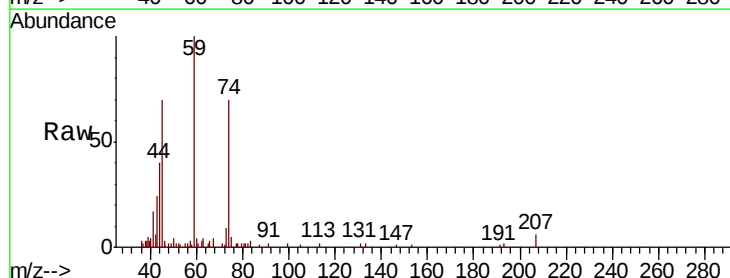
Tot Ion:101 Resp: 13578
 Ion Ratio Lower Upper
 101 100
 103 57.4 50.1 75.1

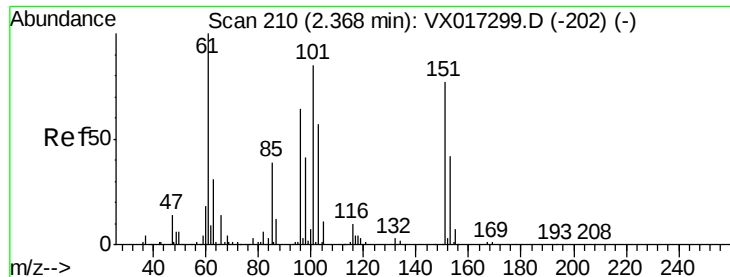


#8

Diethyl Ether
 Concen: 2.413 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Tgt Ion: 74 Resp: 4615
 Ion Ratio Lower Upper
 74 100
 45 99.4 18.9 170.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.744 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

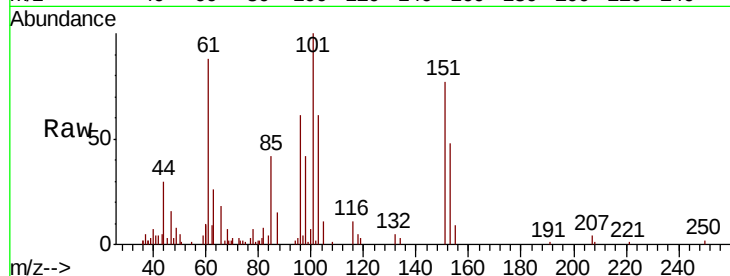
Tot Ion:101 Resp: 8087

Ion Ratio Lower Upper

101 100

85 49.1 0.0 87.8

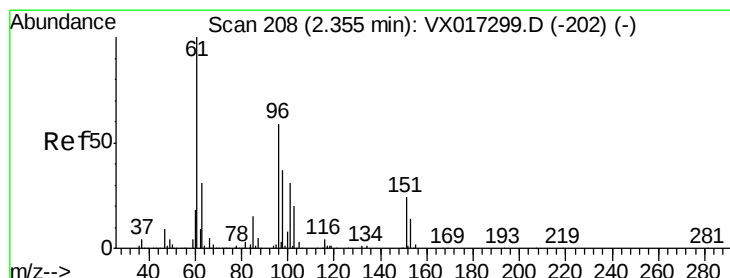
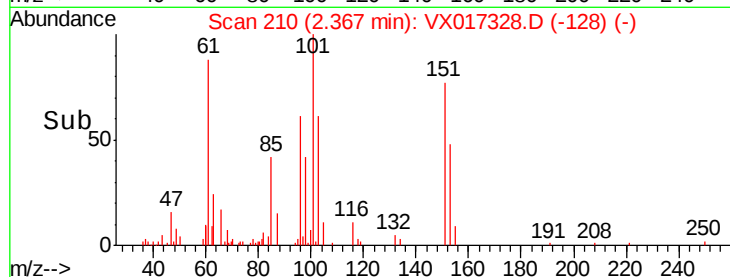
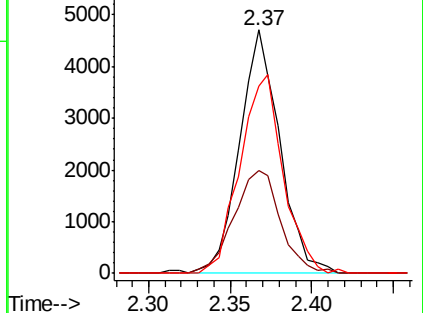
151 87.6 0.0 170.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 2.513 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

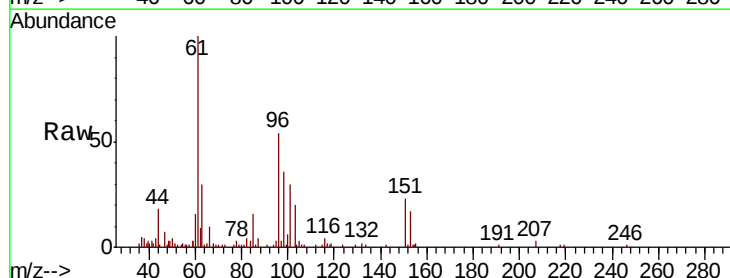
Tgt Ion: 96 Resp: 7302

Ion Ratio Lower Upper

96 100

61 181.5 137.0 205.4

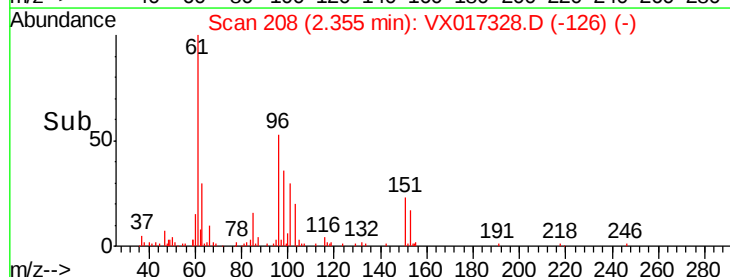
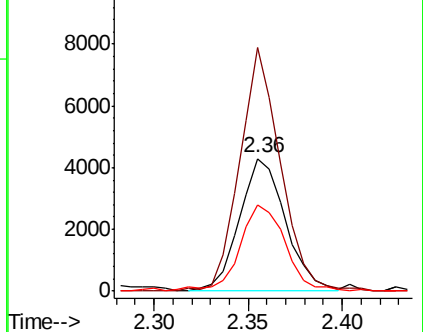
98 63.8 51.1 76.7

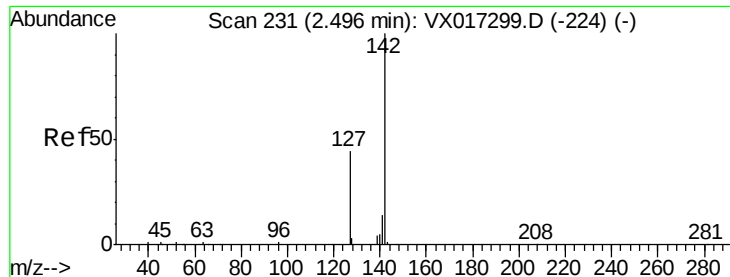


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

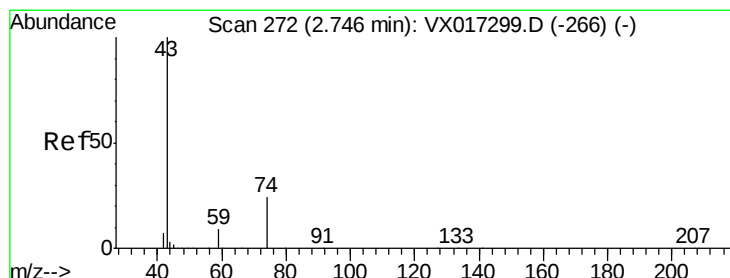
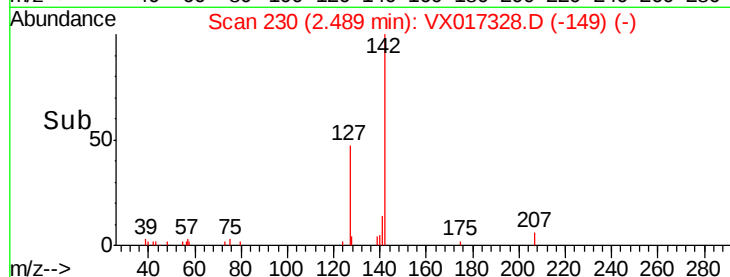
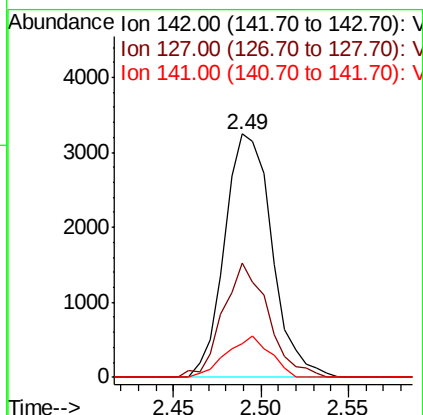
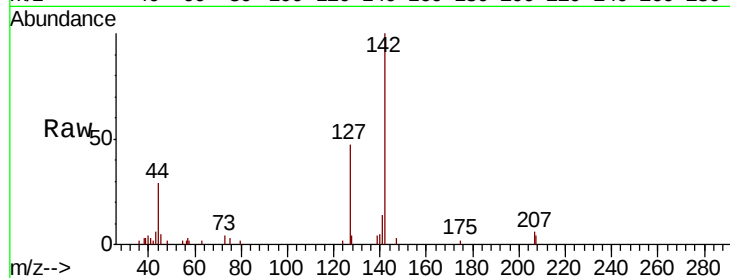




#11
Methvl Iodide
Concen: 1.787 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

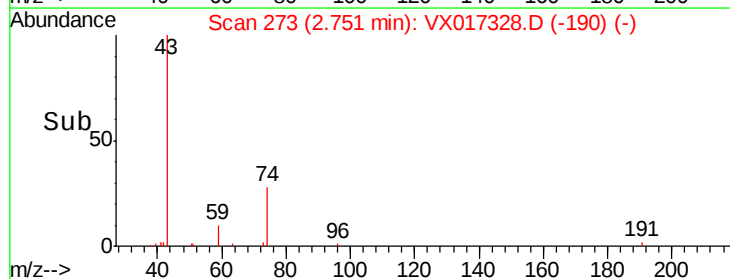
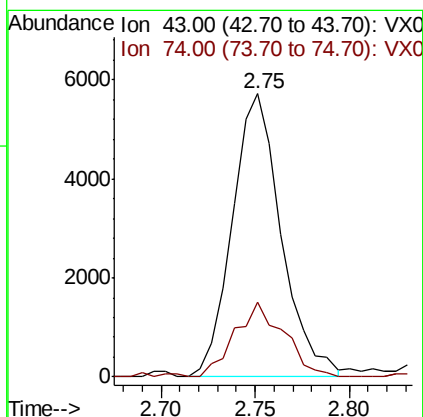
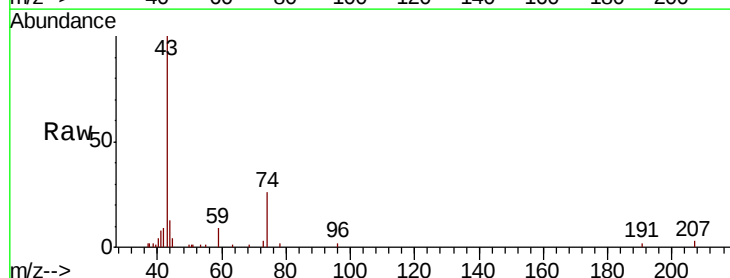
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

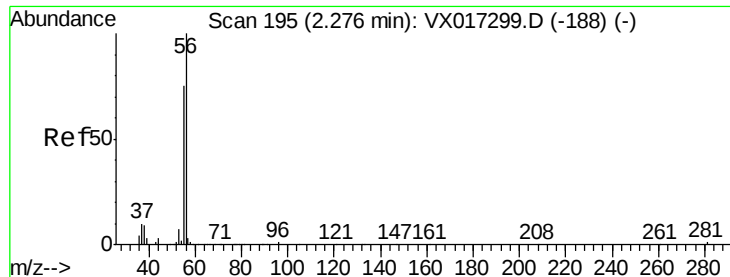
Tot Ion:142 Resp: 6114
Ion Ratio Lower Upper
142 100
127 49.1 21.9 65.7
141 13.7 7.0 21.1



#12
Methyl Acetate
Concen: 2.544 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Tgt Ion: 43 Resp: 10300
Ion Ratio Lower Upper
43 100
74 26.5 18.8 28.2





#13

Acrolein

Concen: 10.421 ug/l

RT: 2.28 min Scan# 195

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

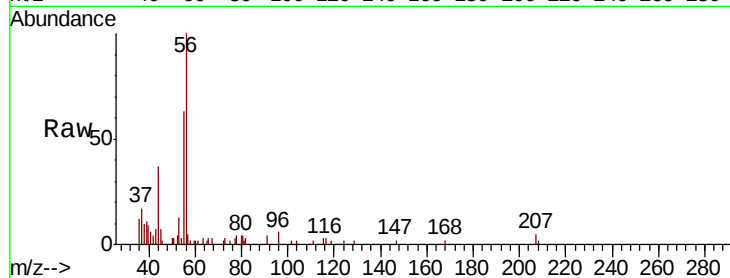
MDL-WATER-03-QT3-2020

Tot Ion: 56 Resp: 5456

Ion Ratio Lower Upper

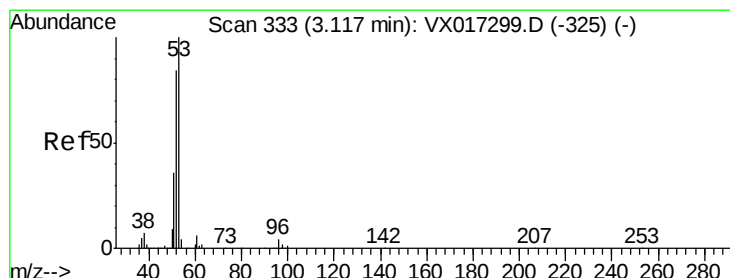
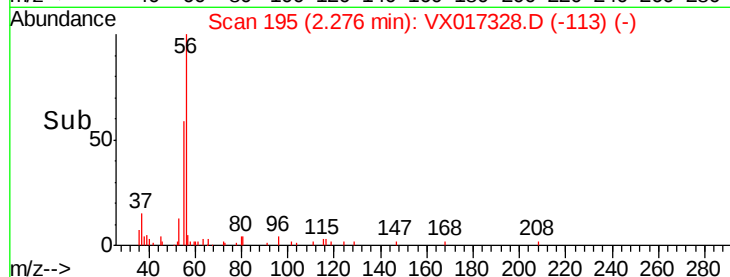
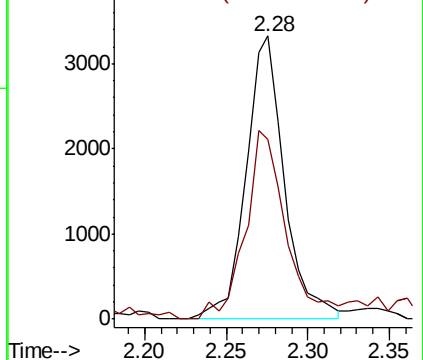
56 100

55 63.3 58.5 87.7



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 12.897 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

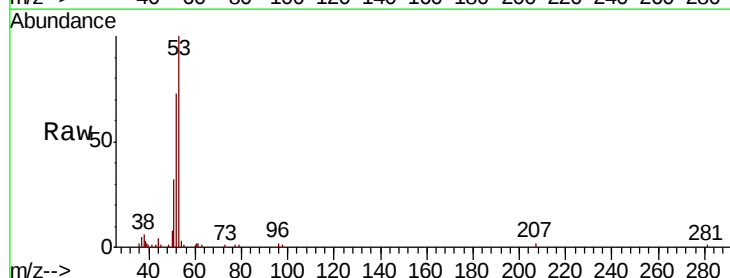
Tgt Ion: 53 Resp: 23559

Ion Ratio Lower Upper

53 100

52 79.3 41.3 123.9

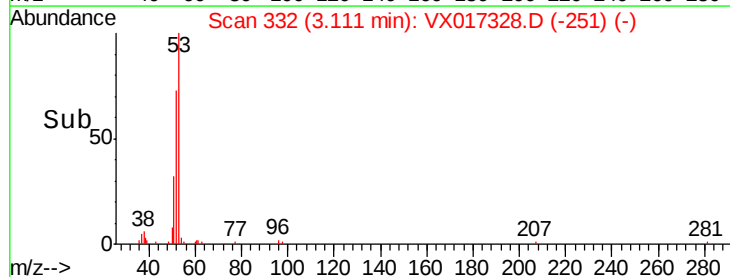
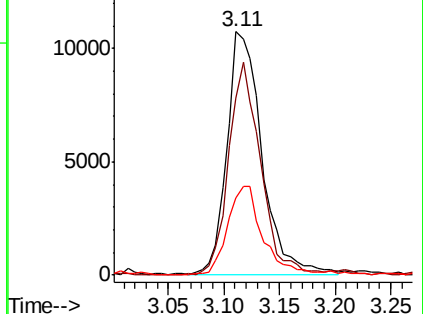
51 36.2 18.1 54.1

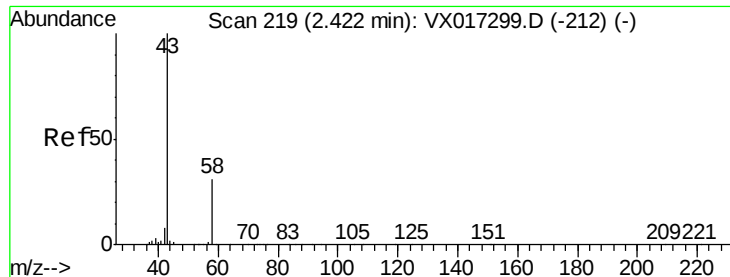


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 12.850 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

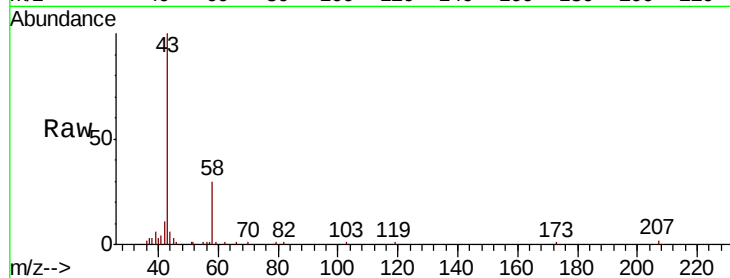
MDL-WATER-03-QT3-2020

Tot Ion: 58 Resp: 5920

Ion Ratio Lower Upper

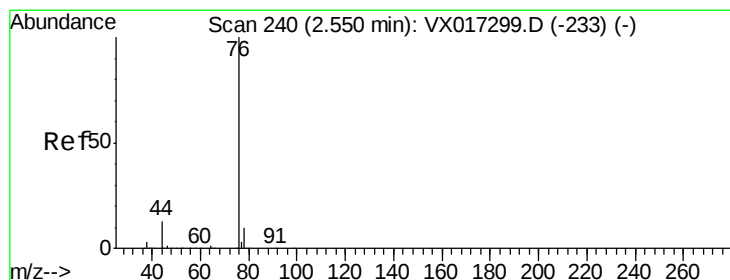
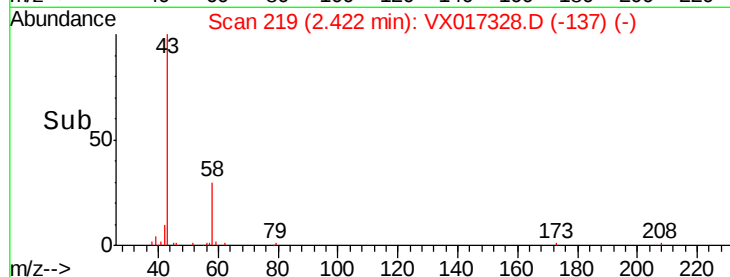
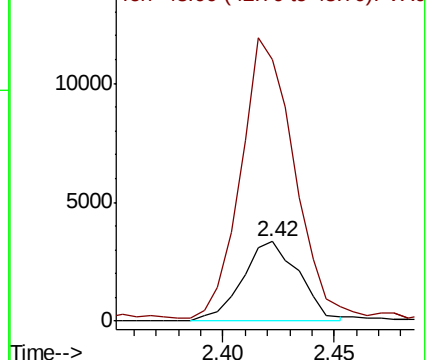
58 100

43 325.9 255.0 382.4



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



#16

Carbon Disulfide

Concen: 2.165 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017328.D

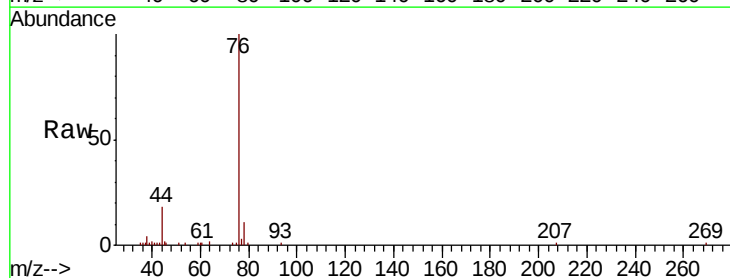
Acq: 10 Jul 2020 12:15

Tgt Ion: 76 Resp: 17059

Ion Ratio Lower Upper

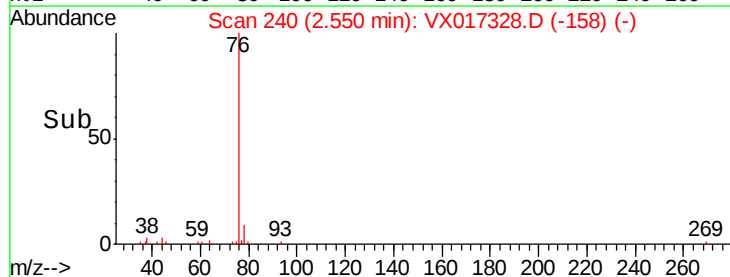
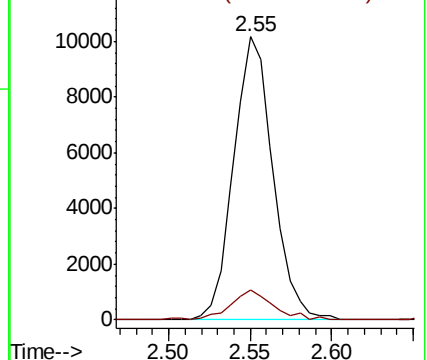
76 100

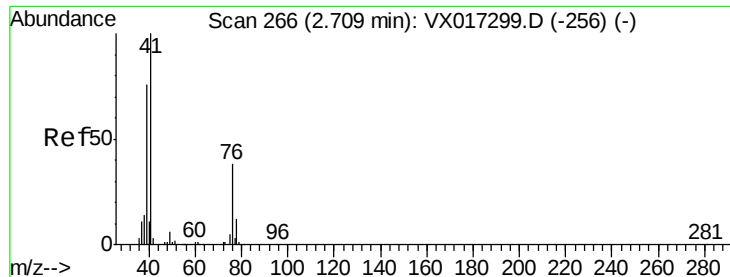
78 10.6 7.9 11.9



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

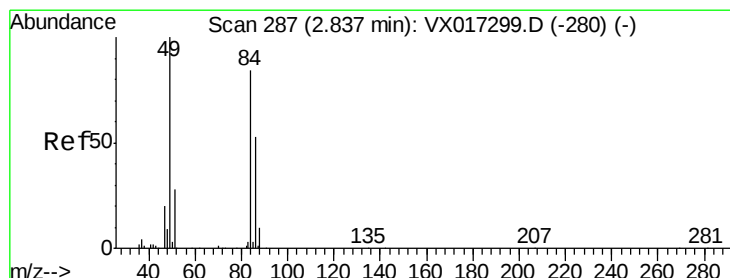
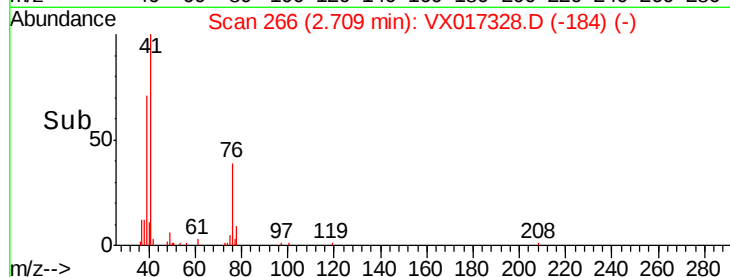
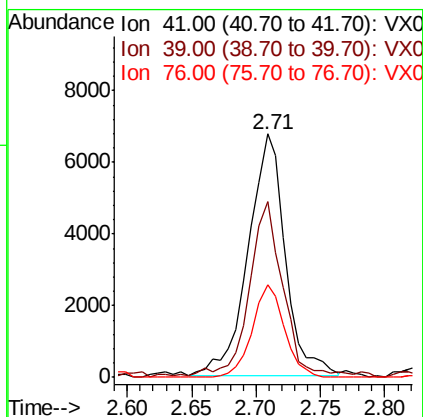
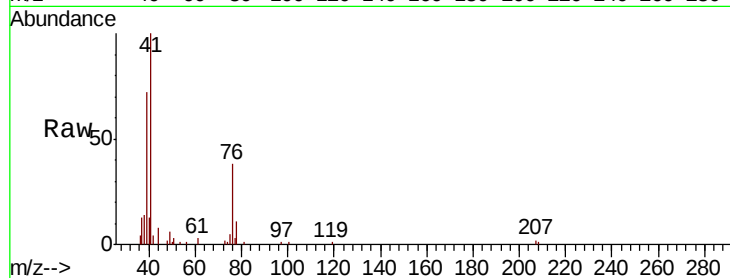




#17
Allvl chloride
Concen: 2.474 ug/l
RT: 2.71 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

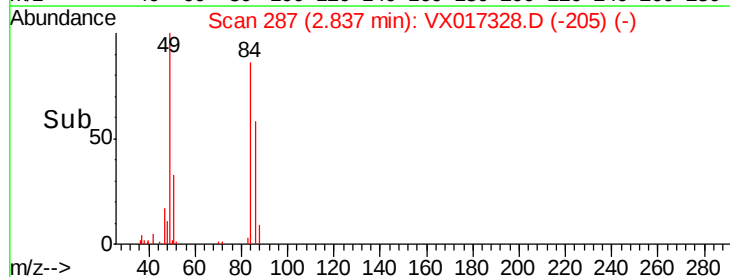
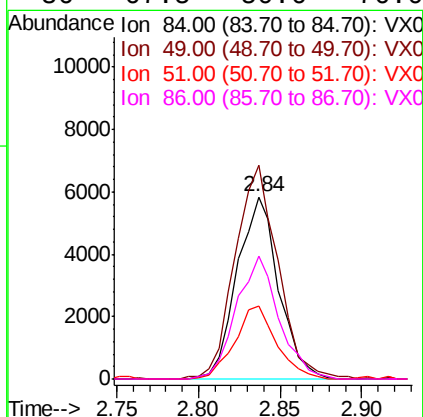
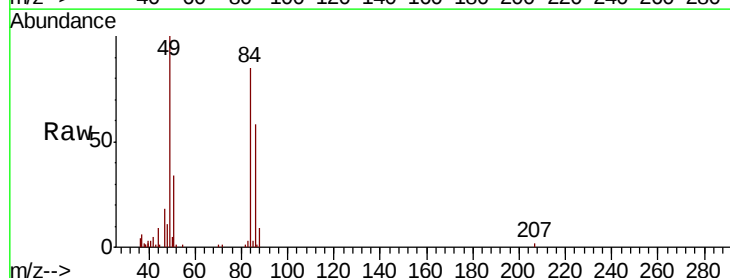
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

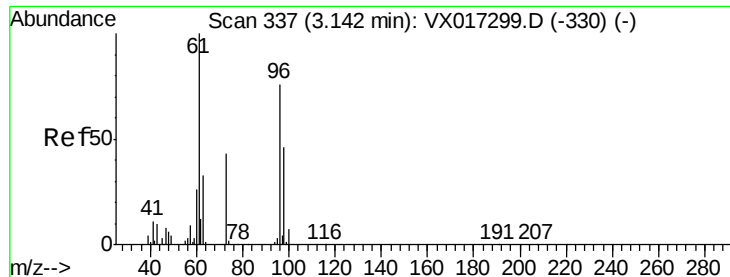
Tot Ion: 41 Resp: 13375
Ion Ratio Lower Upper
41 100
39 71.7 38.1 114.5
76 38.6 18.8 56.4



#18
Methylene Chloride
Concen: 2.894 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Tgt Ion: 84 Resp: 10358
Ion Ratio Lower Upper
84 100
49 116.0 95.7 143.5
51 39.9 27.2 40.8
86 67.5 50.6 76.0





#19

trans-1,2-Dichloroethene

Concen: 2.470 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

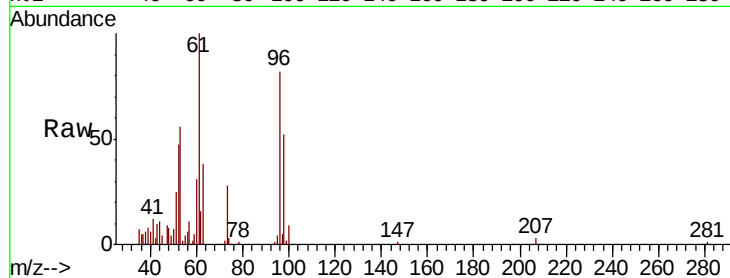
Tot Ion: 96 Resp: 8390

Ion Ratio Lower Upper

96 100

61 122.1 105.0 157.6

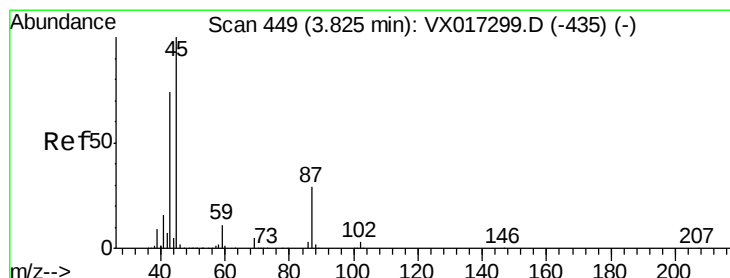
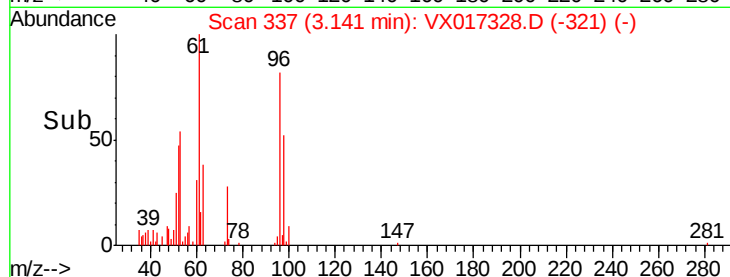
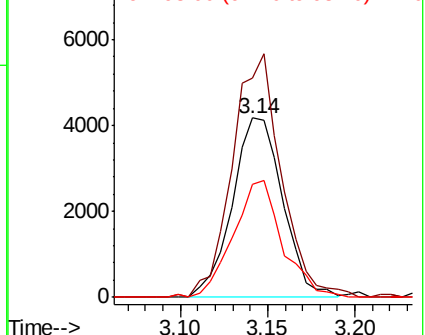
98 63.1 48.6 73.0



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#20

Diisopropyl ether

Concen: 2.484 ug/l

RT: 3.82 min Scan# 449

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Tgt Ion: 45 Resp: 26842

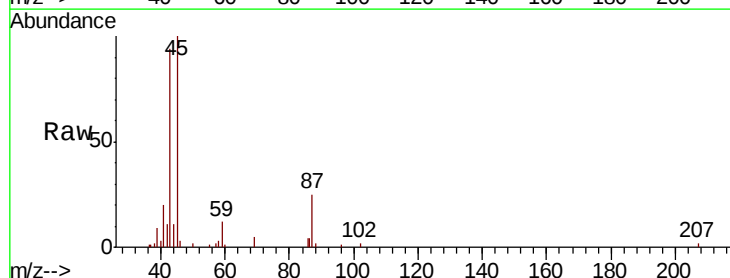
Ion Ratio Lower Upper

45 100

43 90.8 59.5 89.3#

87 25.4 23.2 34.8

59 12.1 8.5 12.7

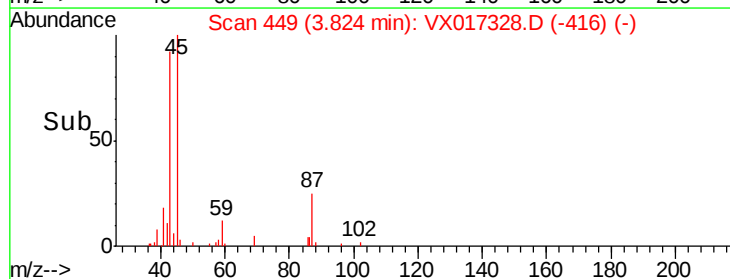
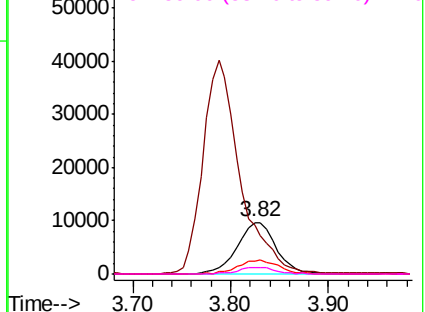


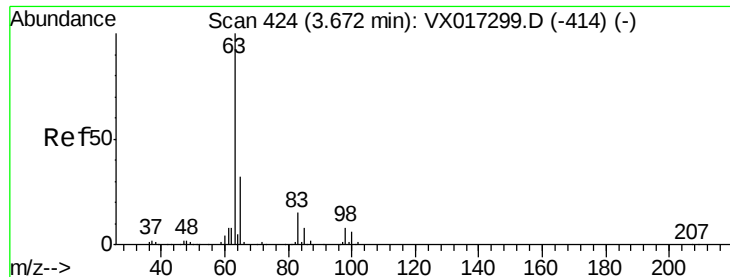
Abundance Ion 45.00 (44.70 to 45.70): VX0

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

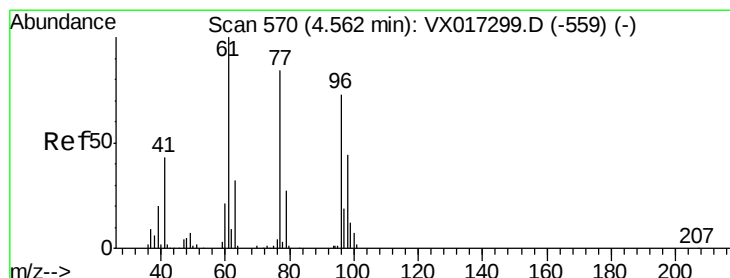
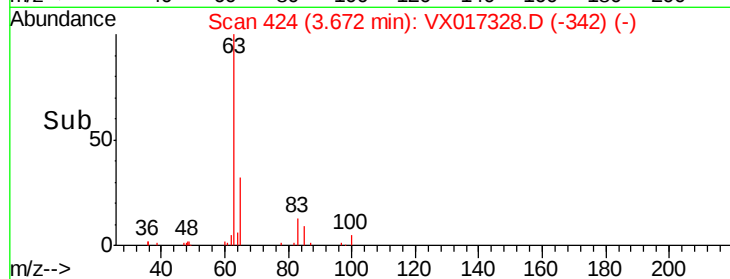
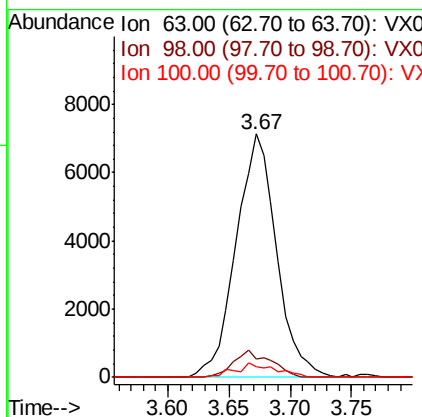
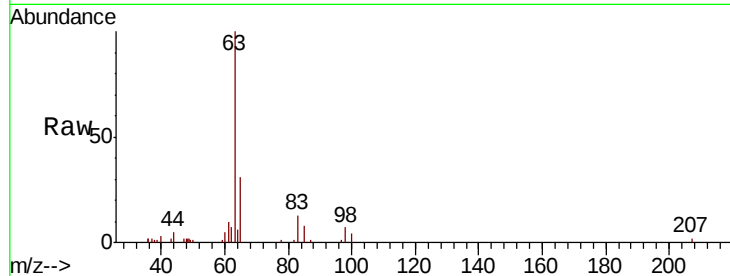




#21
 1,1-Dichloroethane
 Concen: 2.706 ug/l
 RT: 3.67 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

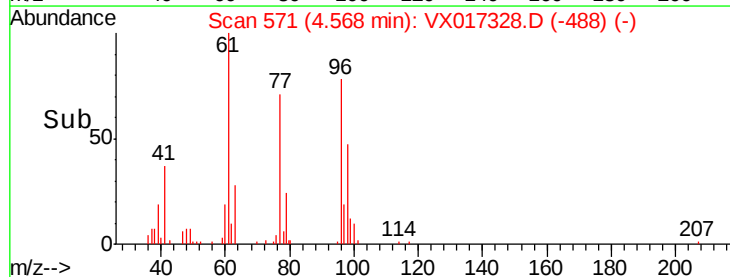
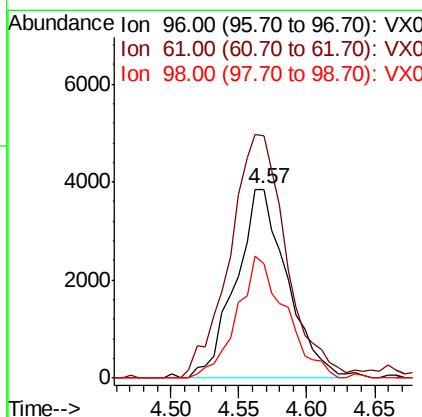
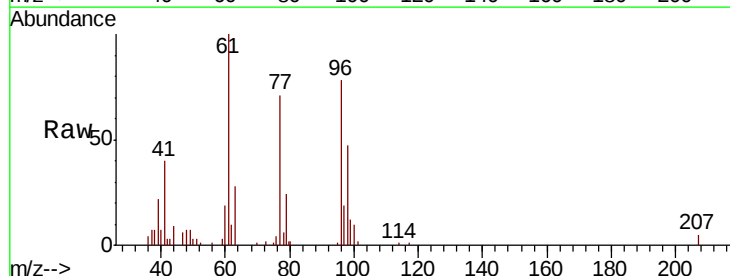
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

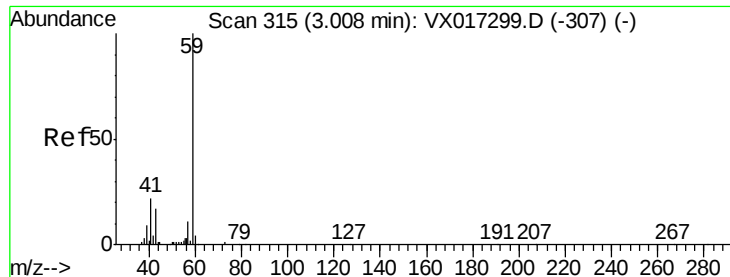
Tot Ion:	63	Resp:	16392
Ion	Ratio	Lower	Upper
63	100		
98	7.5	4.2	12.4
100	4.4	2.8	8.3



#22
 cis-1,2-Dichloroethene
 Concen: 2.619 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Tgt Ion:	96	Resp:	10152
Ion	Ratio	Lower	Upper
96	100		
61	141.9	111.7	167.5
98	61.3	50.9	76.3



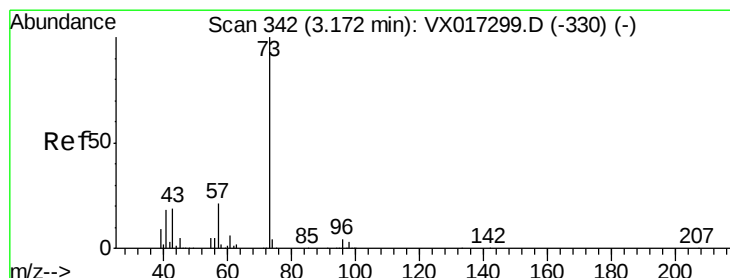
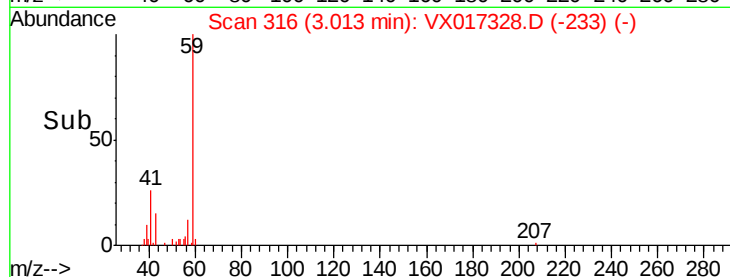
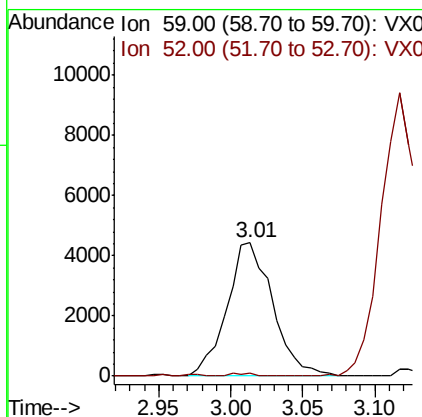
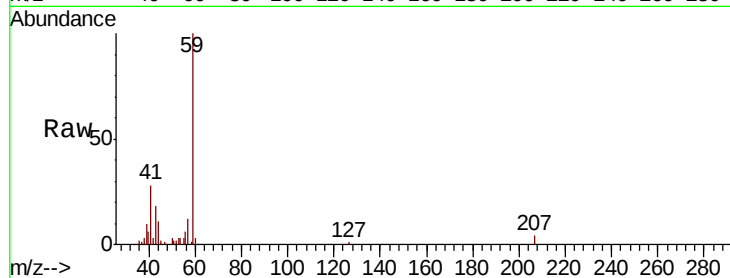


#23

tert-Butyl Alcohol
 Concen: 13.032 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

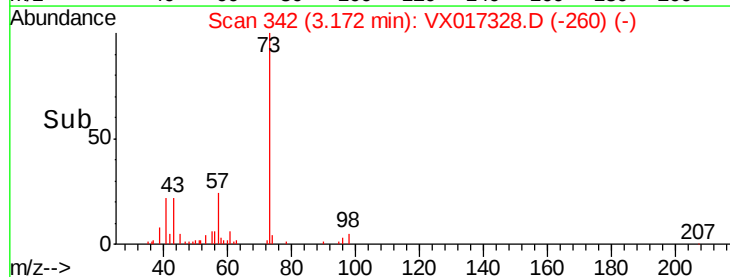
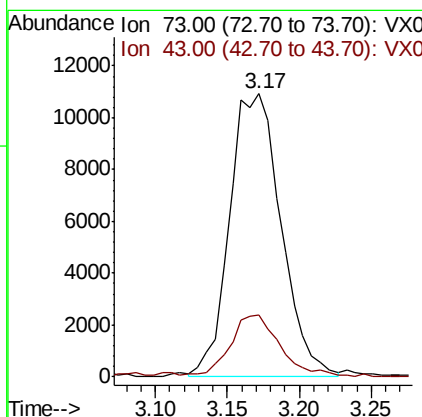
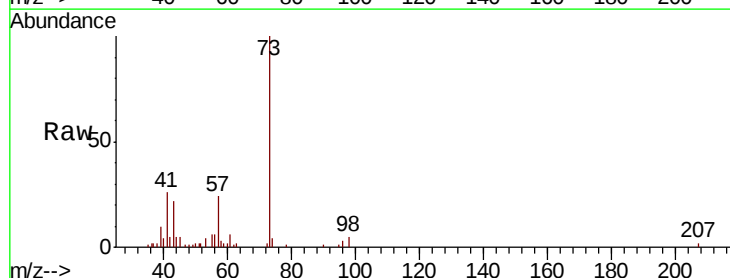
Tot Ion: 59 Resp: 9823
 Ion Ratio Lower Upper
 59 100
 52 1.0 0.4 0.6#

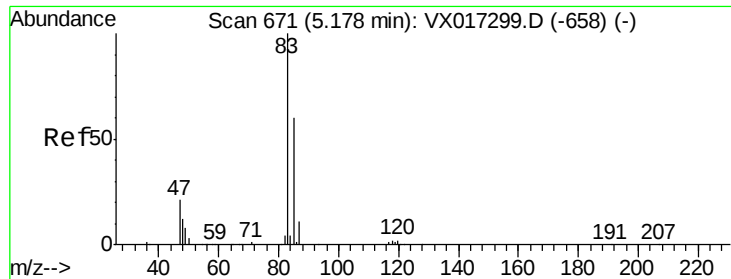


#24

Methyl tert-Butyl Ether
 Concen: 2.448 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Tgt Ion: 73 Resp: 27154
 Ion Ratio Lower Upper
 73 100
 43 21.1 16.3 24.5

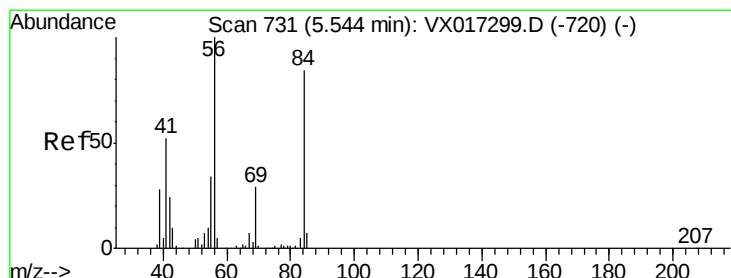
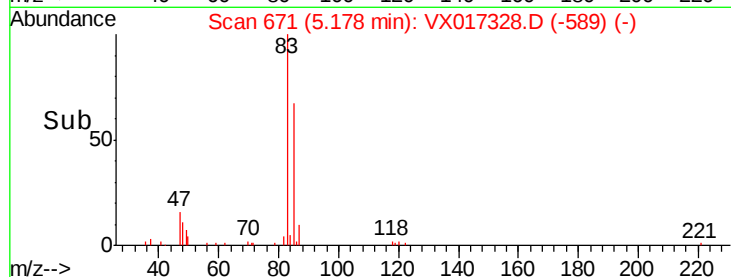
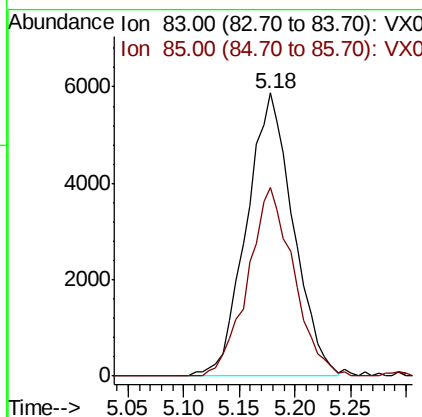
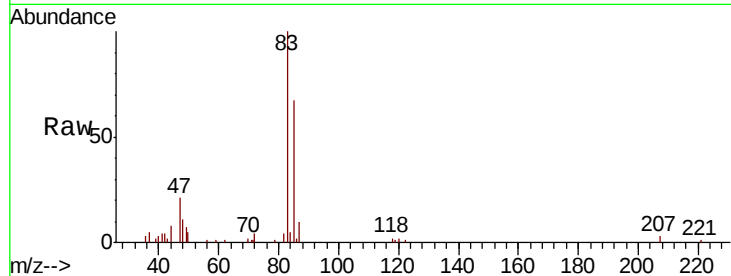




#25
Chloroform
Concen: 2.662 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

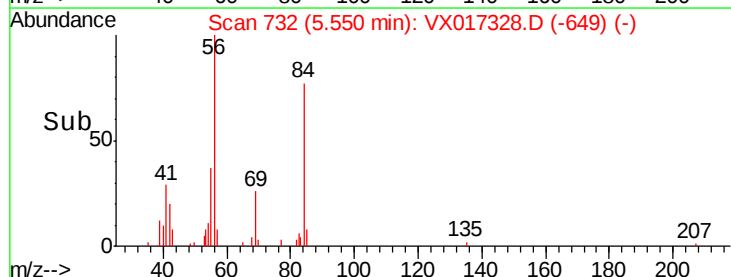
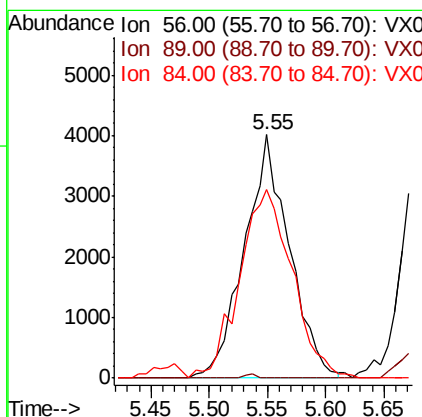
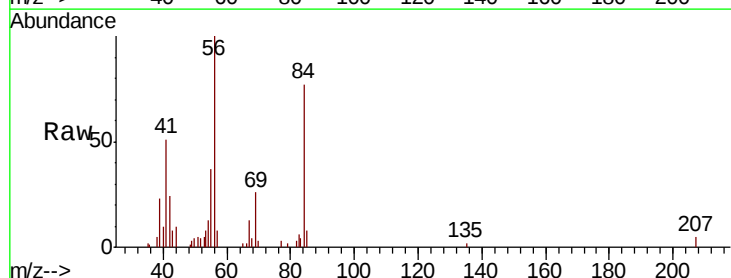
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

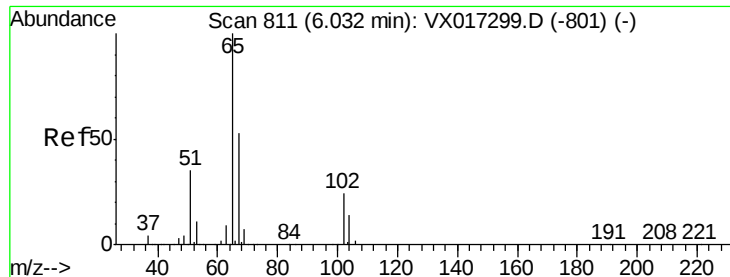
Tot Ion: 83 Resp: 17179
Ion Ratio Lower Upper
83 100
85 66.7 47.8 71.8



#26
Cyclohexane
Concen: 2.276 ug/l
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Tgt Ion: 56 Resp: 10742
Ion Ratio Lower Upper
56 100
89 0.4 0.0 0.0#
84 86.6 71.5 107.3





#27

1,2-Dichloroethane-d4

Concen: 30.885 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

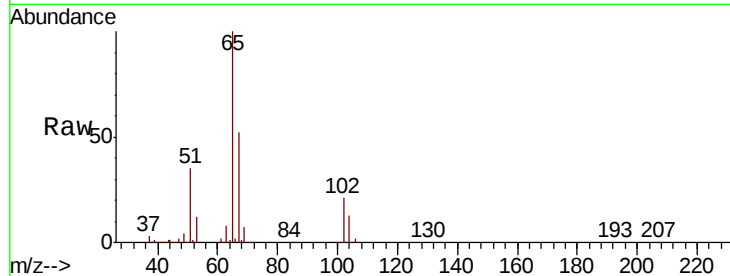
MDL-WATER-03-QT3-2020

Tot Ion: 65 Resp: 140357

Ion Ratio Lower Upper

65 100

67 52.0 41.0 61.6



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.03

50000

40000

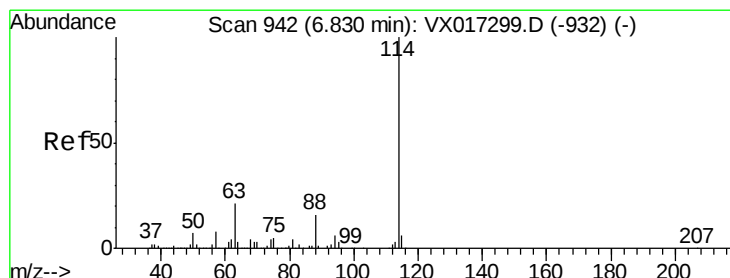
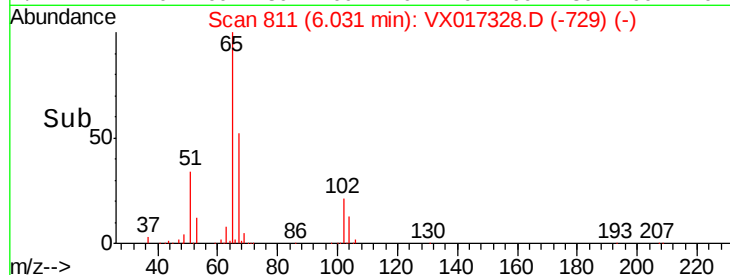
30000

20000

10000

0

Time--> 5.90 6.00 6.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

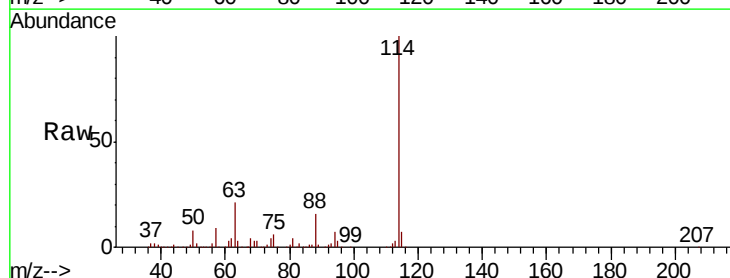
Tgt Ion: 114 Resp: 326463

Ion Ratio Lower Upper

114 100

63 20.1 15.9 23.9

88 15.8 12.4 18.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

6.83

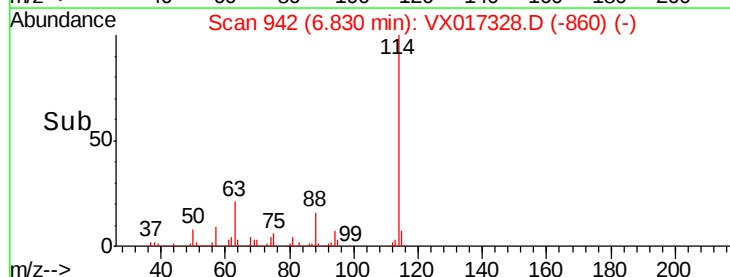
150000

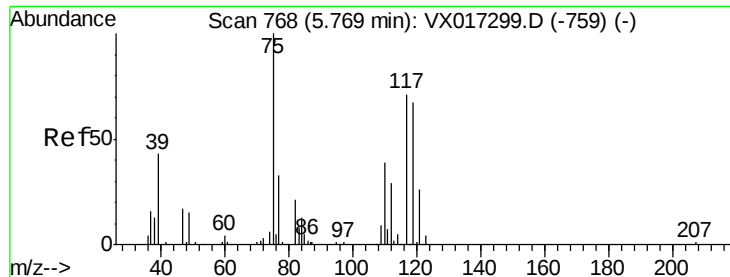
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

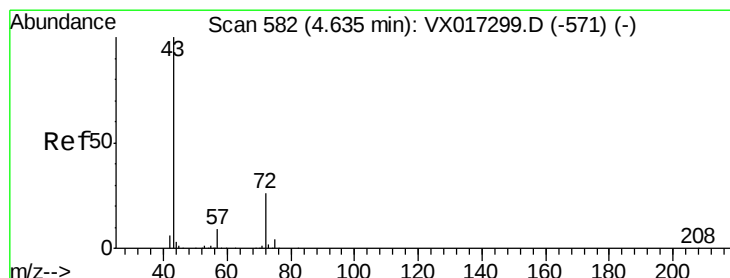
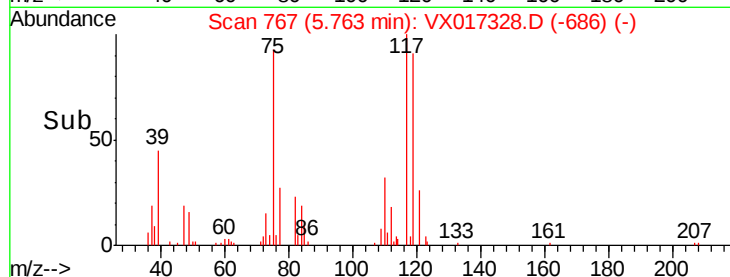
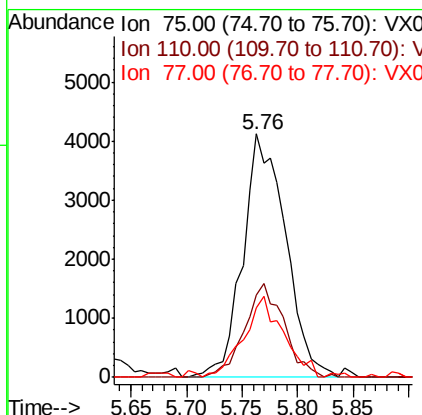
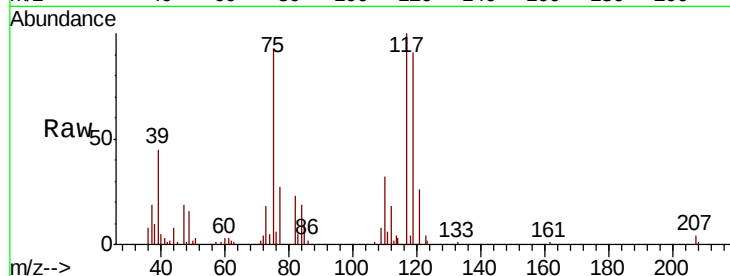




#29
 1,1-Dichloropropene
 Concen: 2.445 ug/l
 RT: 5.76 min Scan# 767
 Delta R.T. -0.01 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

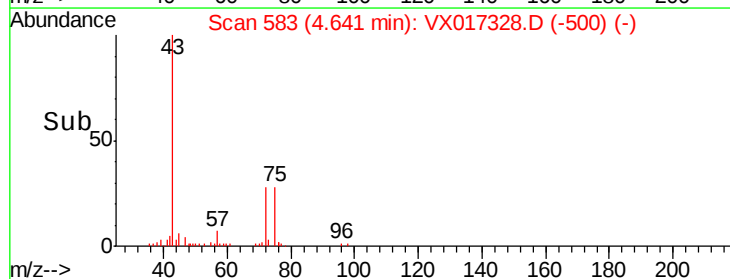
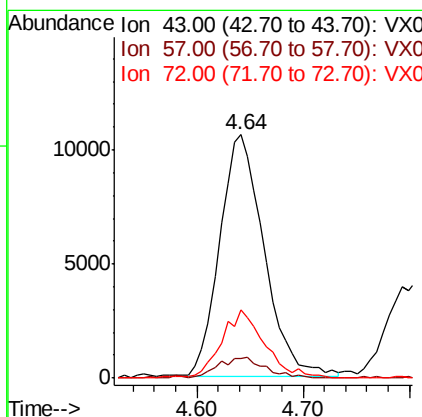
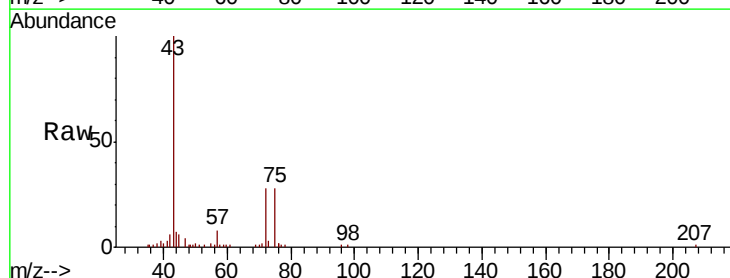
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

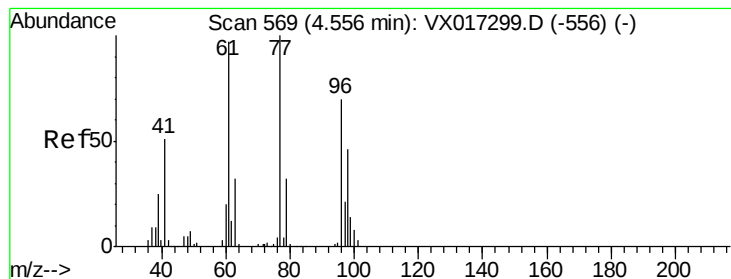
Tot Ion	Ratio	Lower	Upper
75	100		
110	35.3	0.0	75.8
77	29.8	0.0	63.4



#30
 2-Butanone
 Concen: 12.453 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.2	6.8	10.2
72	25.3	21.0	31.6





#31

2,2-Dichloropropane

Concen: 2.678 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

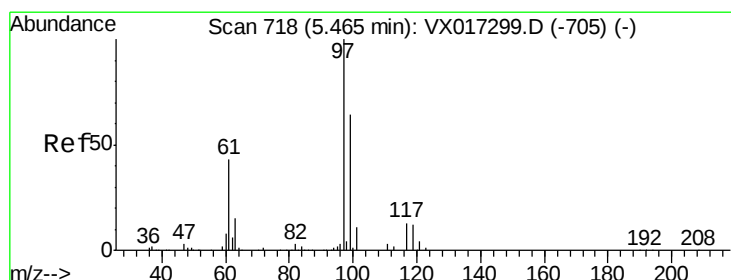
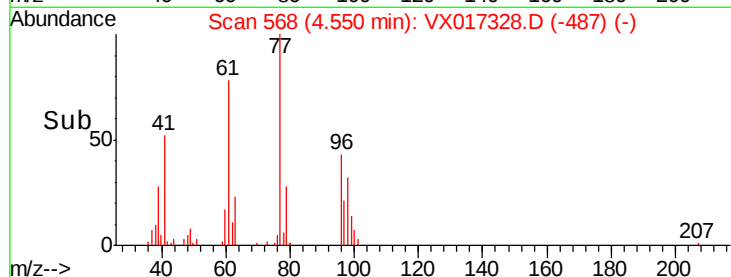
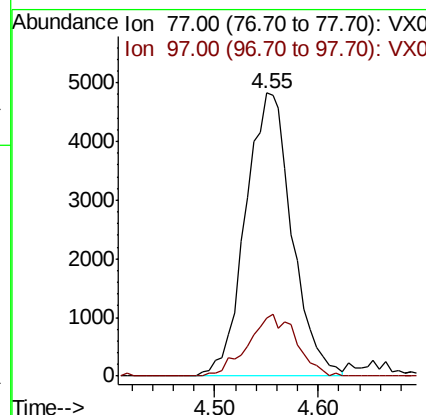
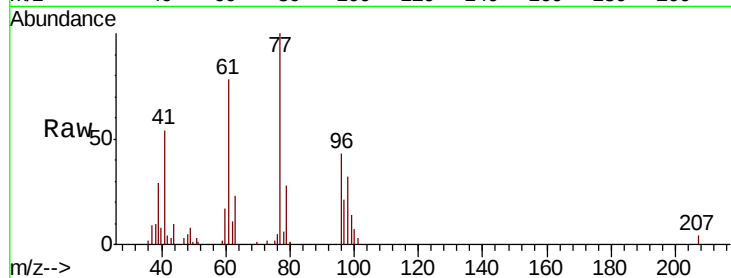
MDL-WATER-03-QT3-2020

Tot Ion: 77 Resp: 15103

Ion Ratio Lower Upper

77 100

97 0.1 18.2 27.2#



#32

1,1,1-Trichloroethane

Concen: 2.710 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

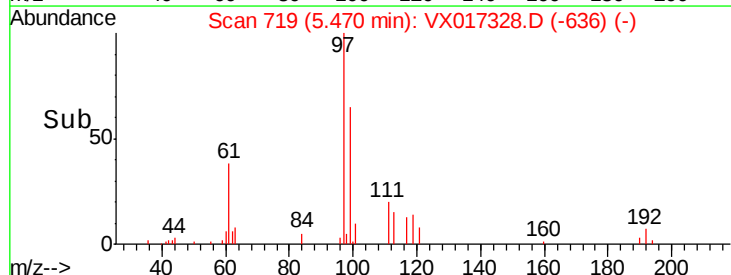
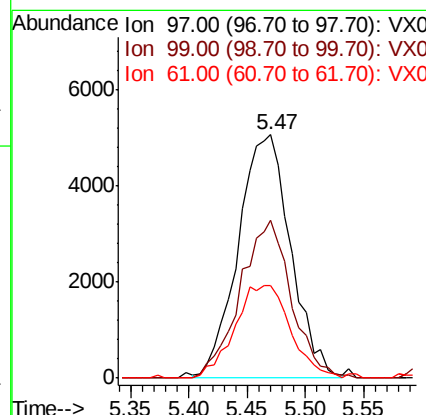
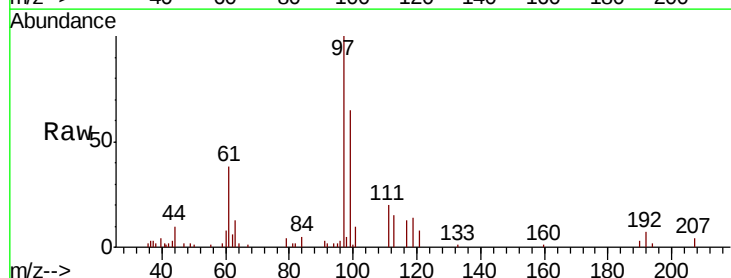
Tgt Ion: 97 Resp: 15883

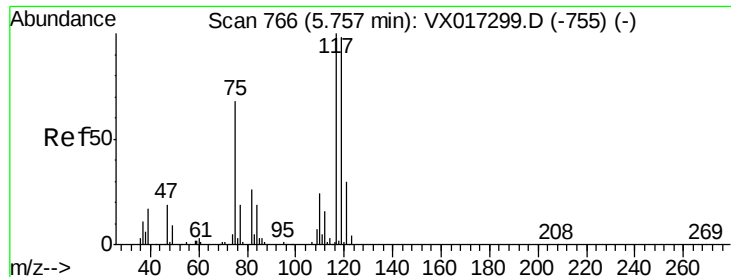
Ion Ratio Lower Upper

97 100

99 63.2 53.2 79.8

61 18.5 34.0 51.0#

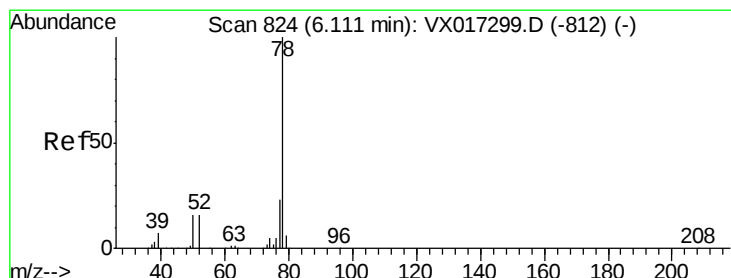
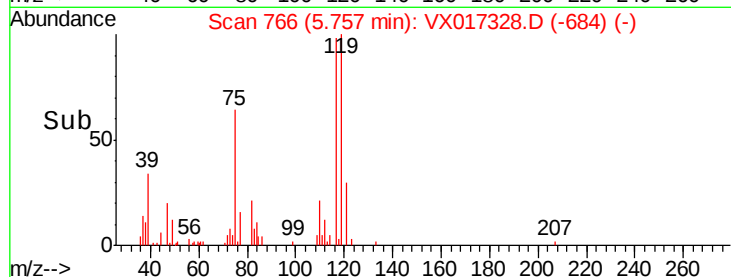
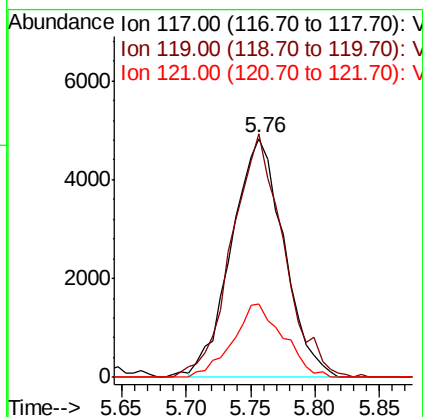
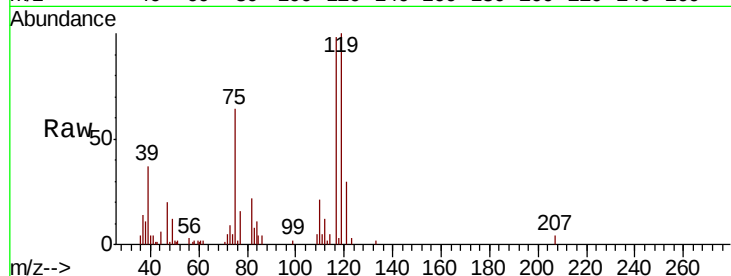




#33
Carbon Tetrachloride
Concen: 2.520 ug/l
RT: 5.76 min Scan# 766
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

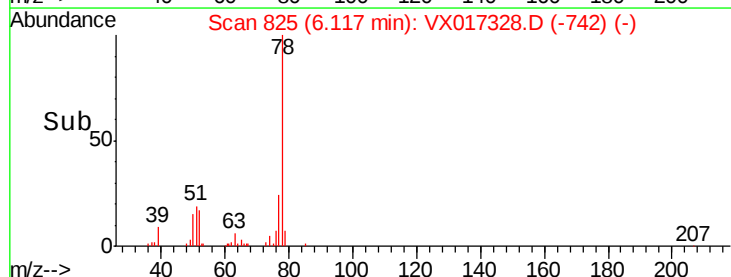
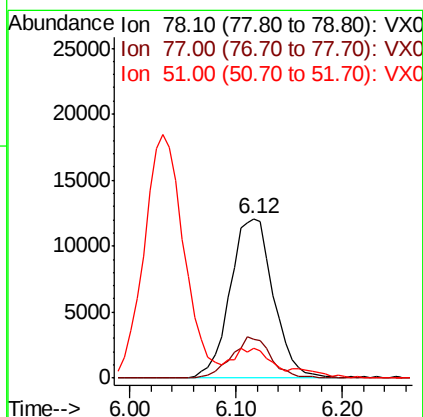
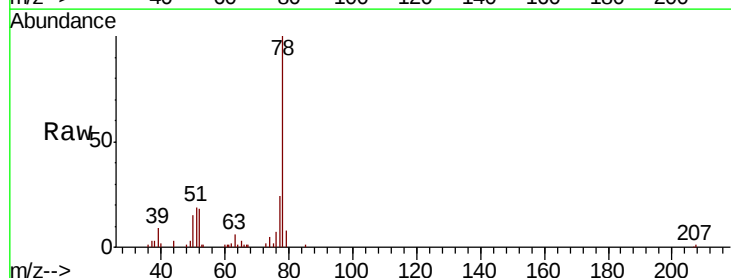
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

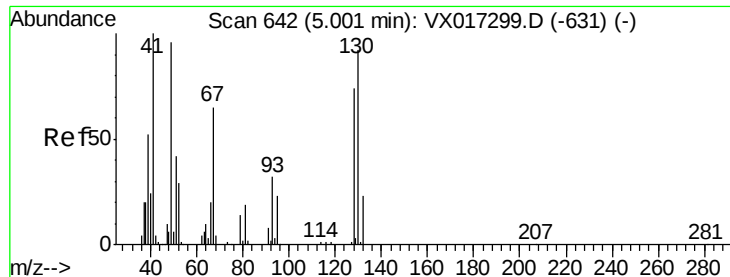
Tot Ion:117 Resp: 13623
Ion Ratio Lower Upper
117 100
119 100.0 78.8 118.2
121 30.5 23.7 35.5



#34
Benzene
Concen: 2.566 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Tgt Ion: 78 Resp: 34374
Ion Ratio Lower Upper
78 100
77 24.5 18.1 27.1
51 17.0 12.9 19.3

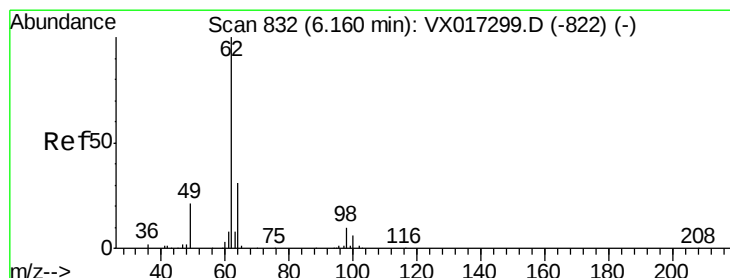
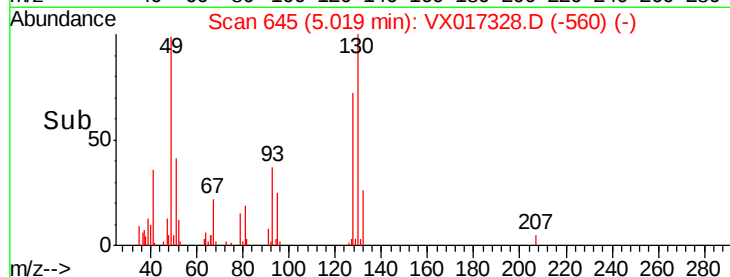
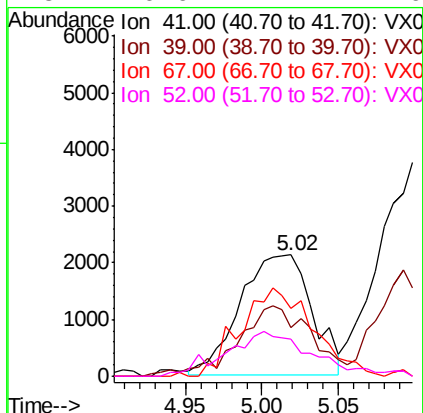
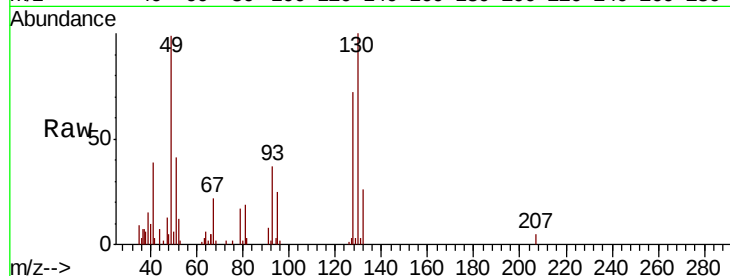




#35
Methacrylonitrile
Concen: 2.524 ug/l
RT: 5.02 min Scan# 645
Delta R.T. 0.02 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

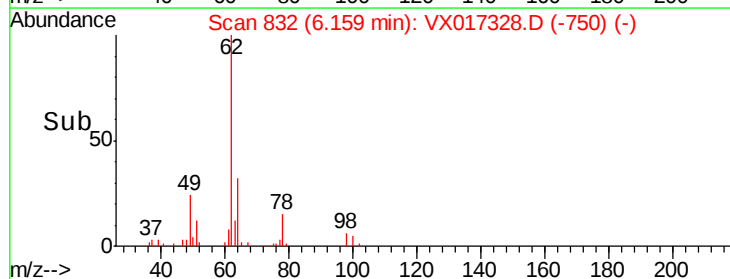
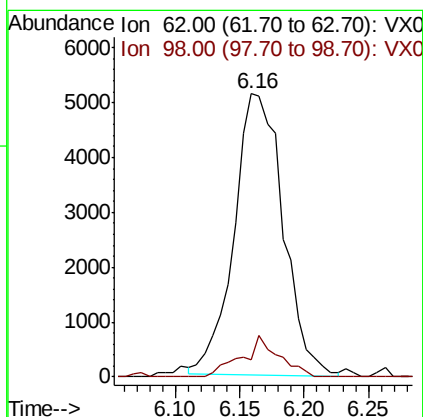
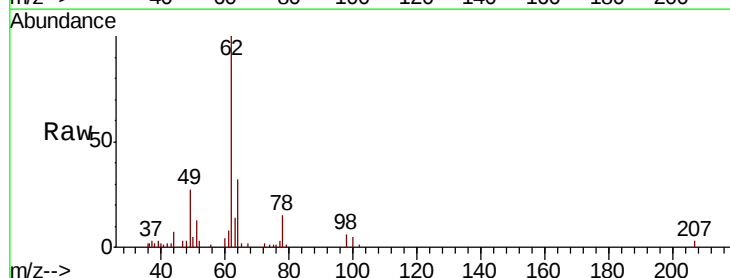
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

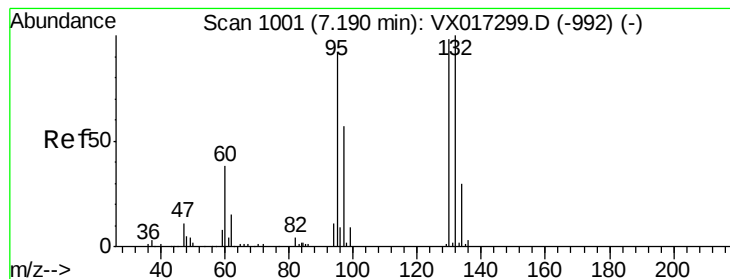
Tot Ion:	41	Resp:	6958
Ion	Ratio	Lower	Upper
41	100		
39	27.5	26.0	78.0
67	57.8	32.6	97.8
52	26.6	14.2	42.6



#36
1,2-Dichloroethane
Concen: 2.560 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Tgt Ion:	62	Resp:	13504
Ion	Ratio	Lower	Upper
62	100		
98	6.8	7.8	11.8#





#37

Trichloroethene

Concen: 2.520 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

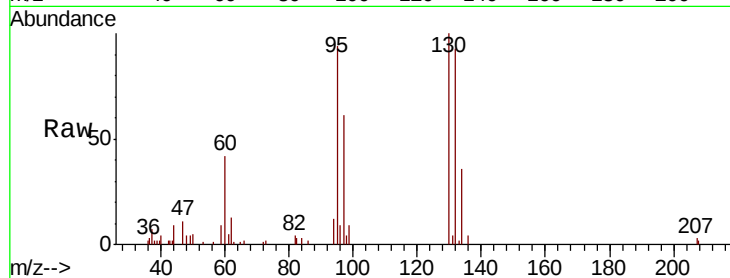
MDL-WATER-03-QT3-2020

Tot Ion:130 Resp: 10154

Ion Ratio Lower Upper

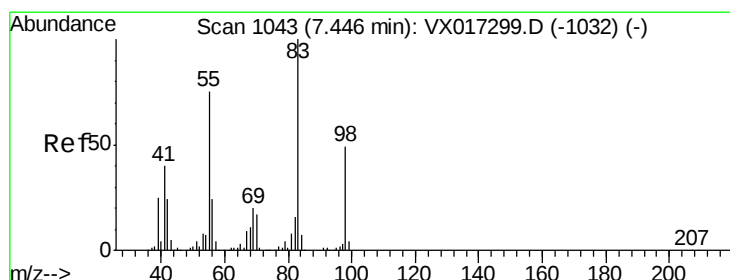
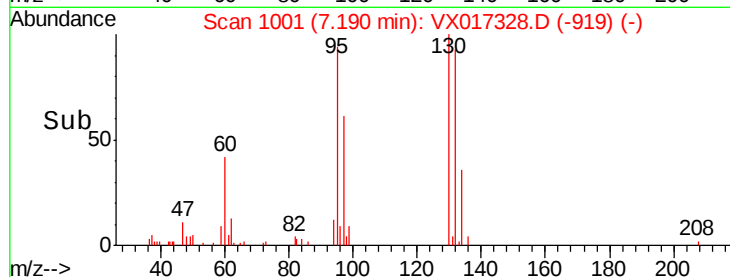
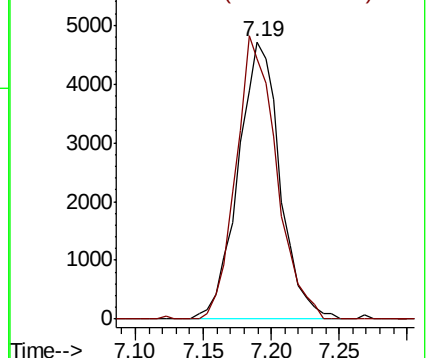
130 100

95 93.8 74.4 111.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 2.279 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

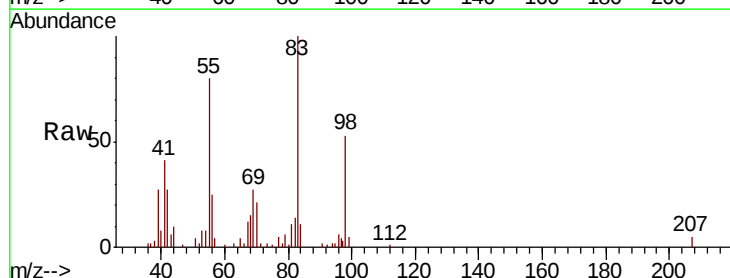
Tgt Ion: 83 Resp: 10813

Ion Ratio Lower Upper

83 100

55 80.5 39.0 117.0

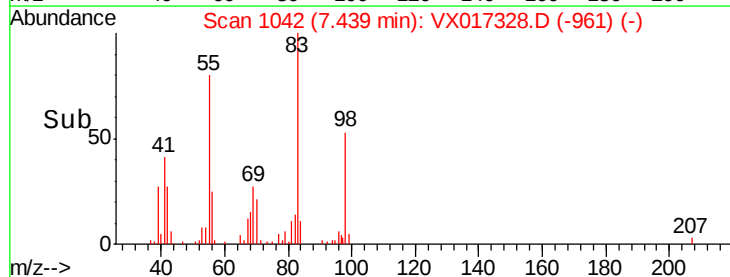
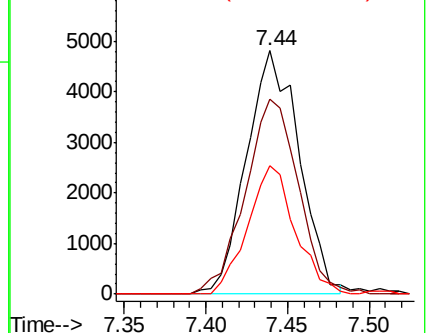
98 47.4 25.3 75.9

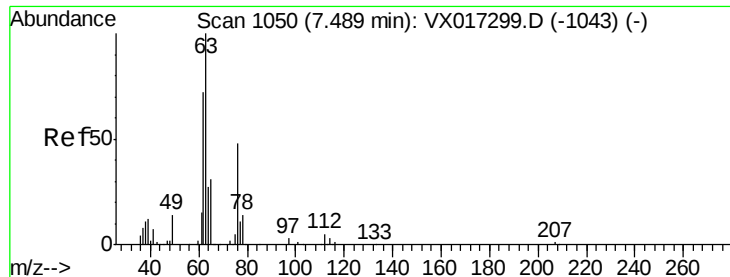


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

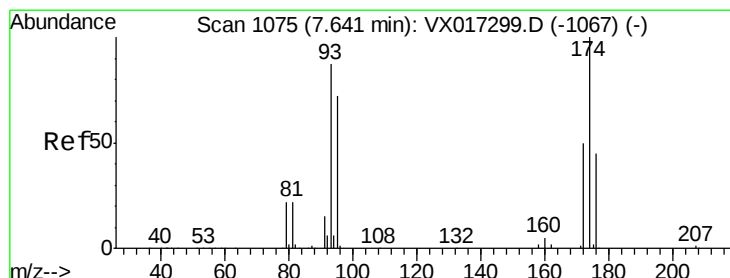
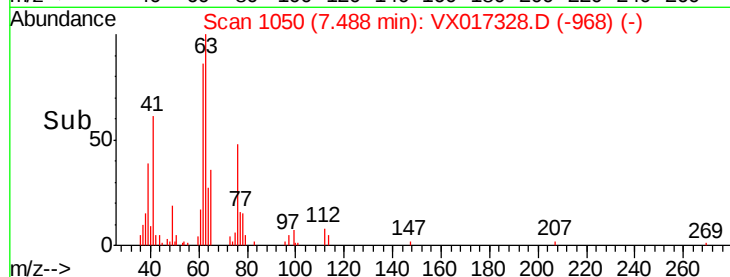
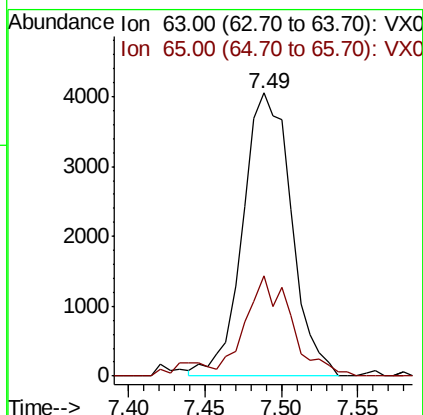
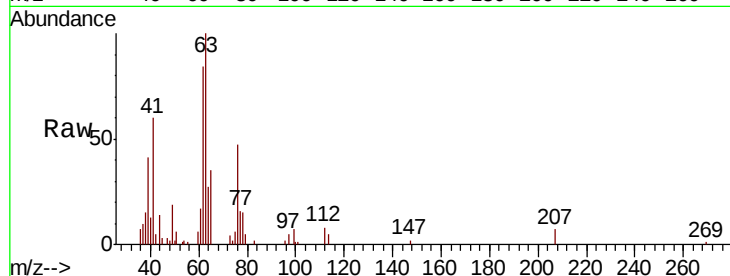




#39
 1,2-Dichloropropane
 Concen: 2.558 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

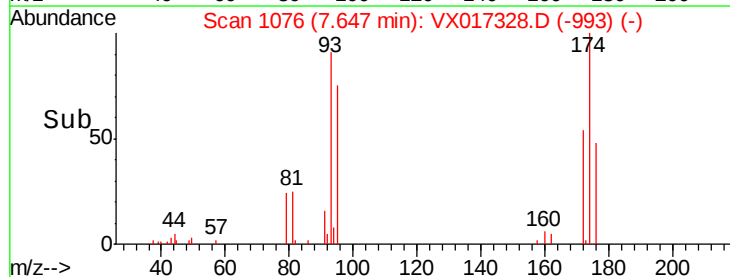
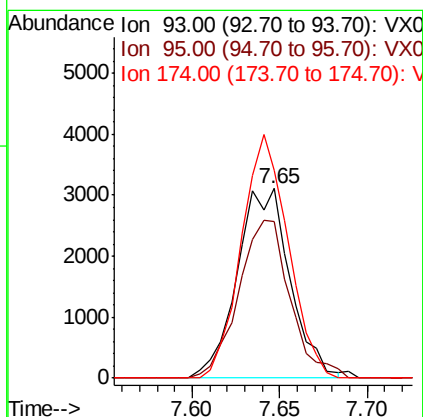
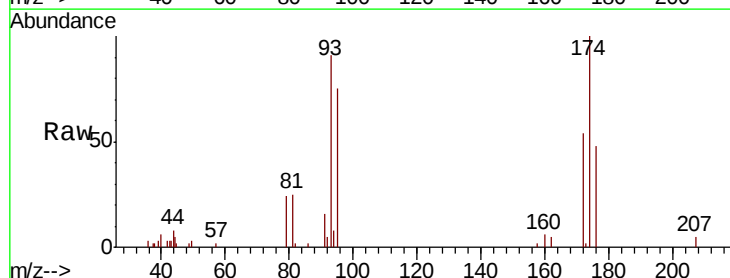
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

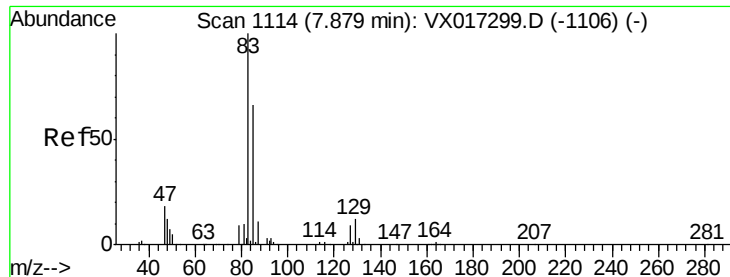
Tot Ion: 63 Resp: 8955
 Ion Ratio Lower Upper
 63 100
 65 33.8 27.4 41.0



#40
 Dibromomethane
 Concen: 2.600 ug/l
 RT: 7.65 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Tgt Ion: 93 Resp: 6556
 Ion Ratio Lower Upper
 93 100
 95 81.0 0.0 164.4
 174 113.1 0.0 224.8





#41

Bromodichloromethane

Concen: 2.632 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

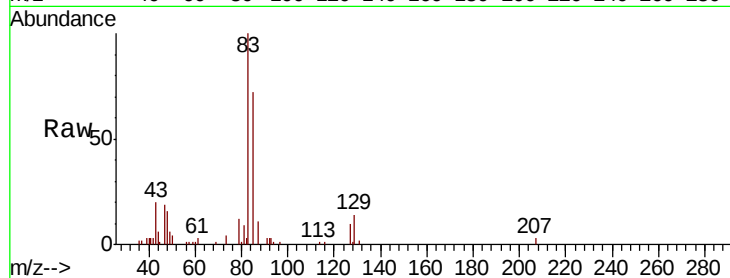
Tot Ion: 83 Resp: 13850

Ion Ratio Lower Upper

83 100

85 72.3 53.1 79.7

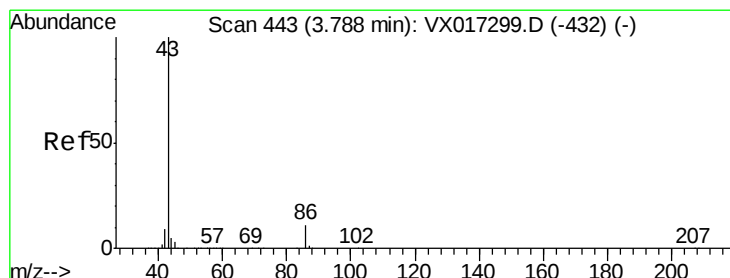
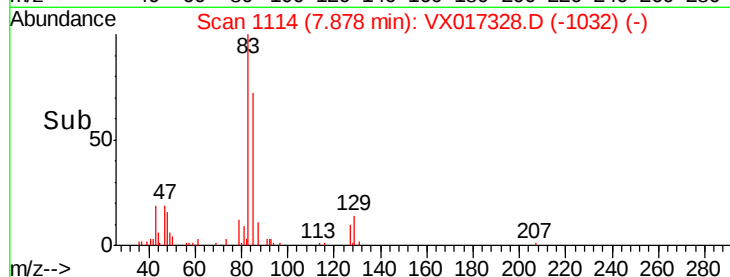
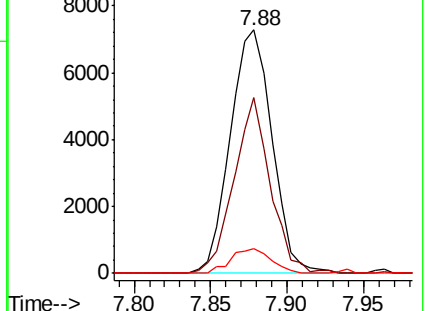
127 10.4 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 11.236 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX017328.D

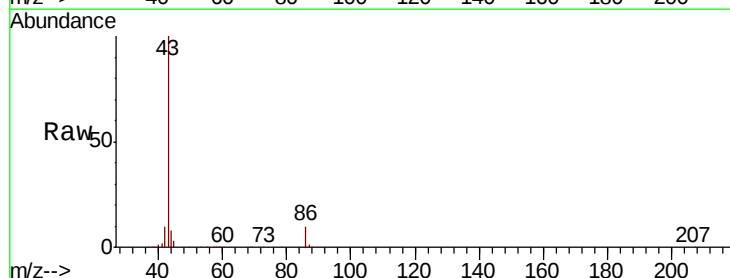
Acq: 10 Jul 2020 12:15

Tgt Ion: 43 Resp: 105737

Ion Ratio Lower Upper

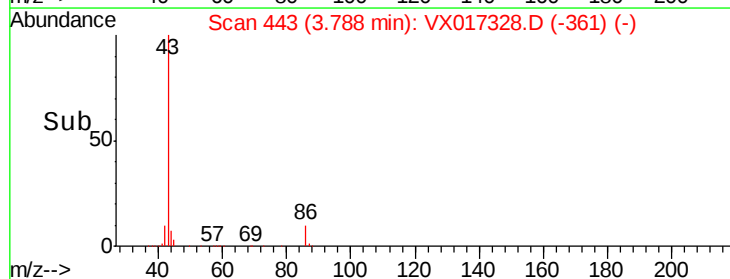
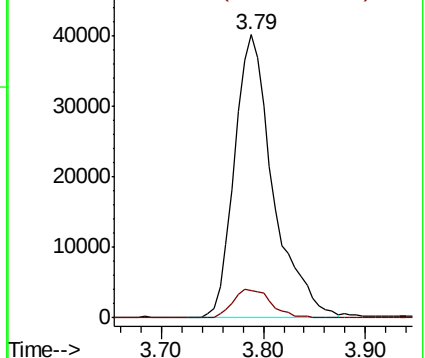
43 100

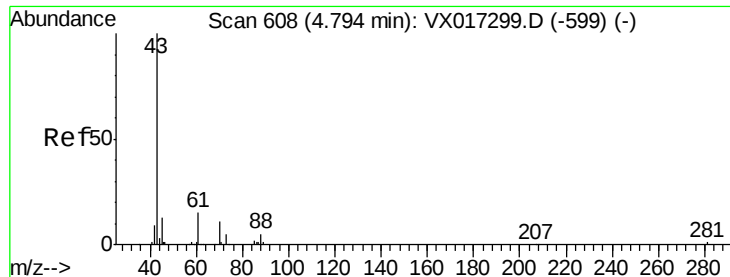
86 9.7 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

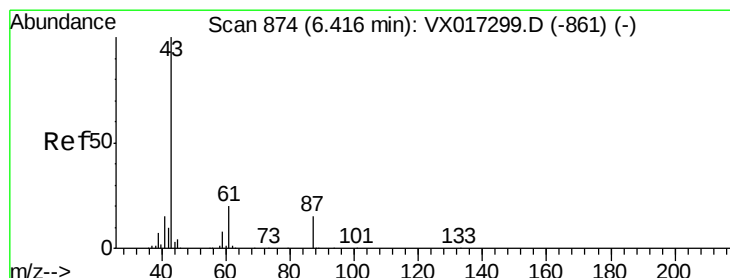
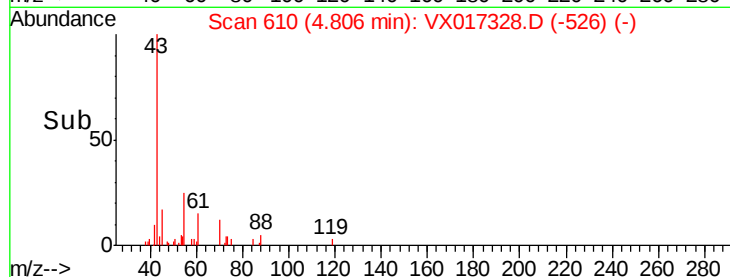
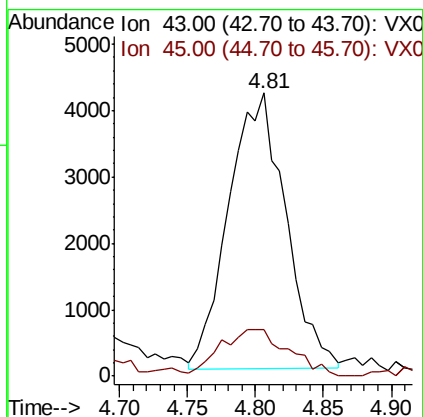
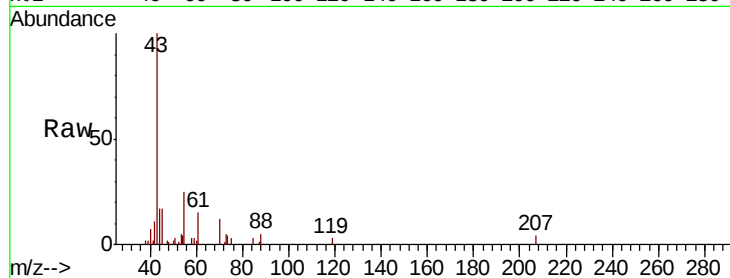




#43
Ethyl Acetate
Concen: 2.512 ug/l
RT: 4.81 min Scan# 610
Delta R.T. 0.01 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

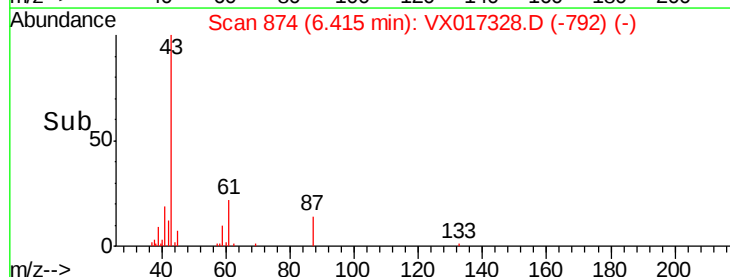
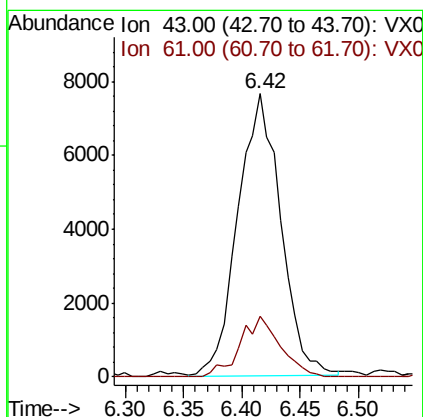
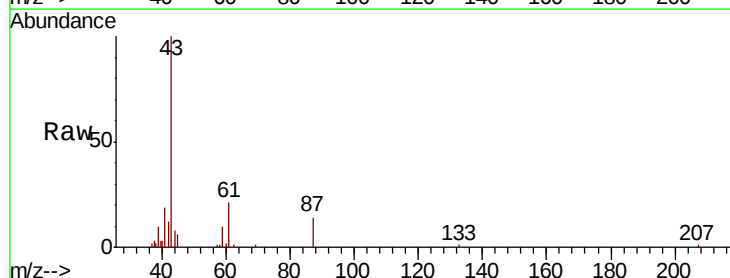
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

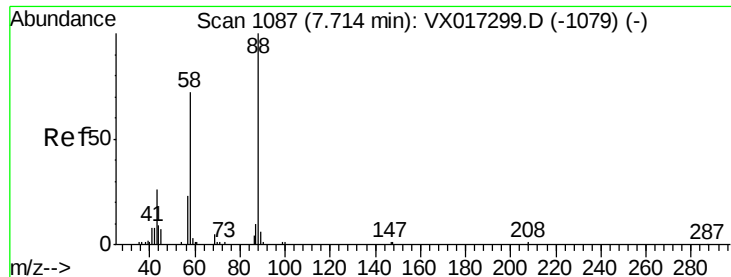
Tot Ion: 43 Resp: 12165
Ion Ratio Lower Upper
43 100
45 15.0 12.1 18.1



#44
Isopropyl Acetate
Concen: 2.440 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Tgt Ion: 43 Resp: 19661
Ion Ratio Lower Upper
43 100
61 18.6 15.7 23.5

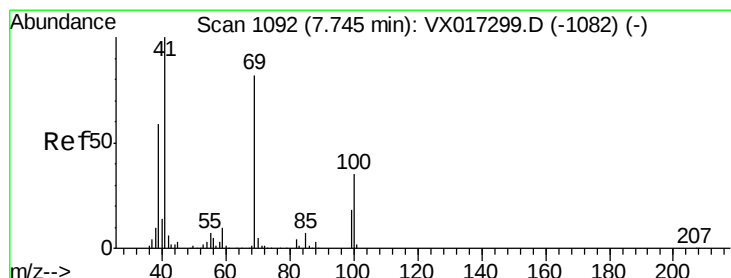
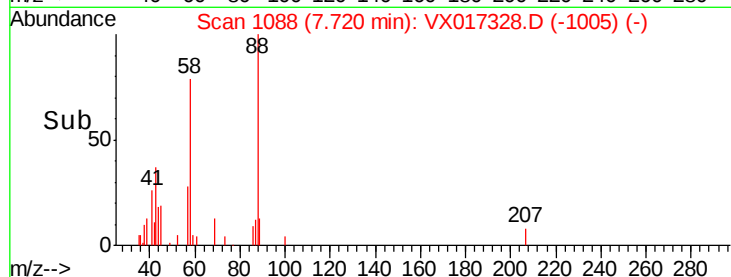
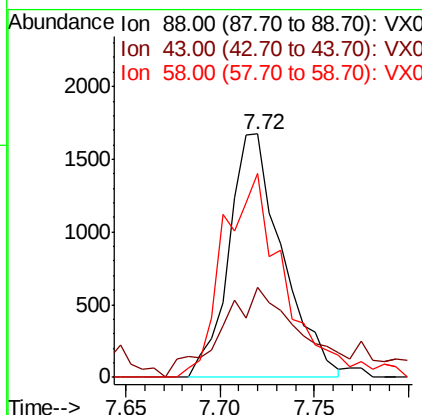
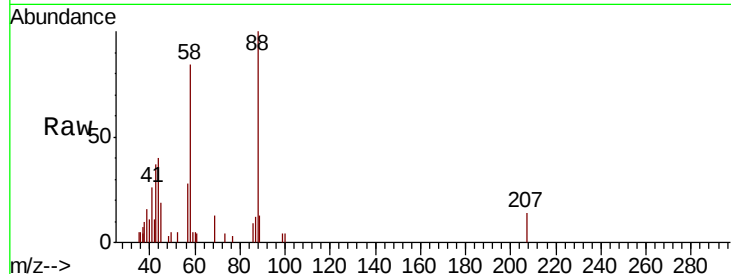




#45
 1,4-Dioxane
 Concen: 42.868 ug/l
 RT: 7.72 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

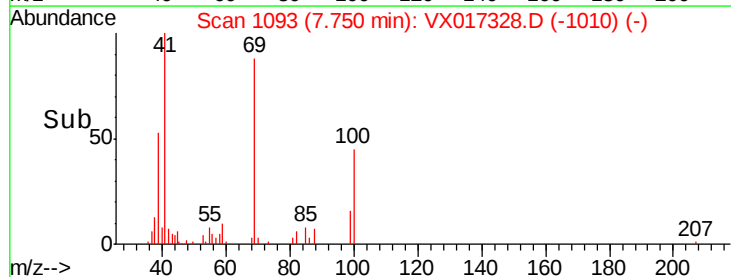
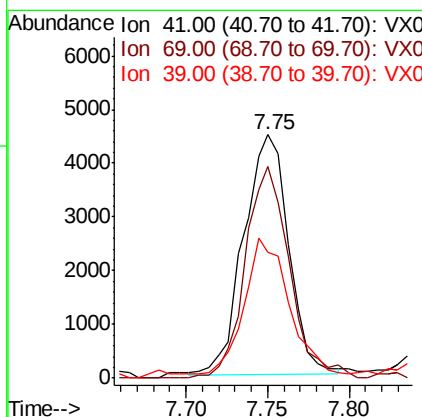
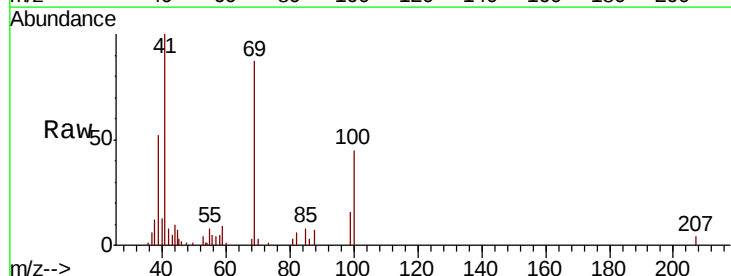
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

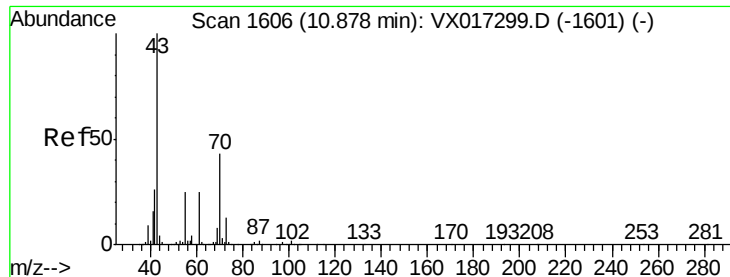
Tot Ion: 88 Resp: 3293
 Ion Ratio Lower Upper
 88 100
 43 27.5 29.0 43.4#
 58 65.5 58.3 87.5



#46
 Methyl methacrylate
 Concen: 2.180 ug/l
 RT: 7.75 min Scan# 1093
 Delta R.T. 0.01 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Tgt Ion: 41 Resp: 8558
 Ion Ratio Lower Upper
 41 100
 69 88.9 41.1 123.3
 39 51.4 29.2 87.6





#47

n-amvl Acetate

Concen: 1.993 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

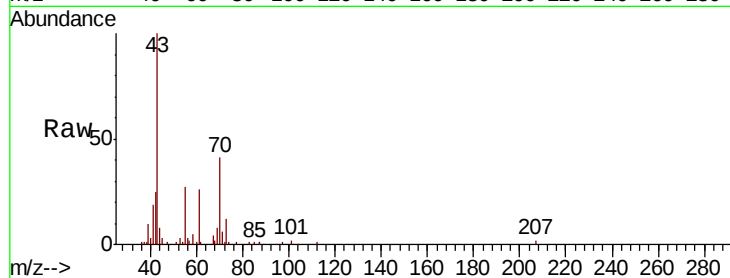
MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 14224

Ion Ratio Lower Upper

43 100

55 25.3 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

12000

10000

8000

6000

4000

2000

0

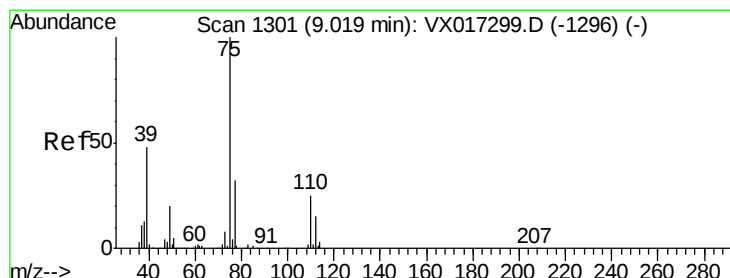
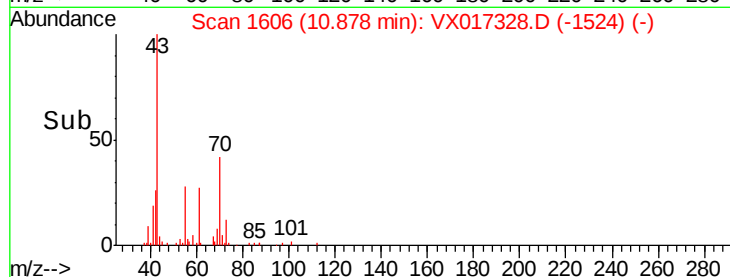
10.85

10.88

10.90

10.95

Time-->



#48

t-1,3-Dichloropropene

Concen: 2.289 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VX017328.D

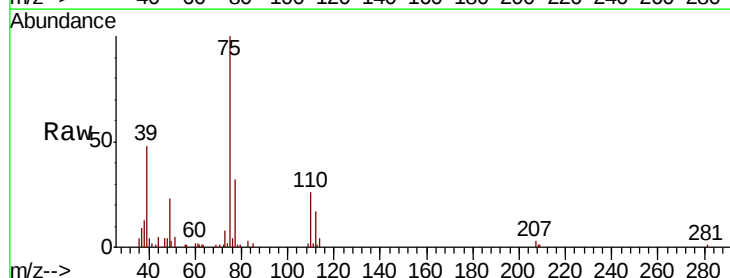
Acq: 10 Jul 2020 12:15

Tgt Ion: 75 Resp: 13297

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

10000

8000

6000

4000

2000

0

8.95

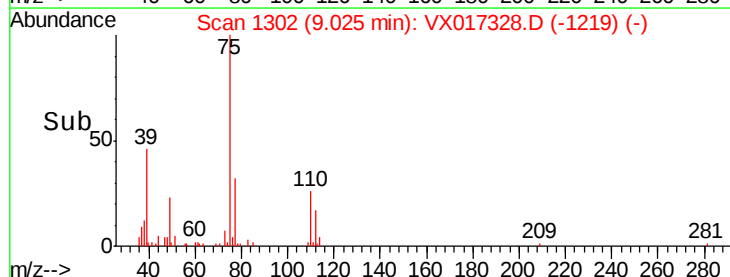
9.00

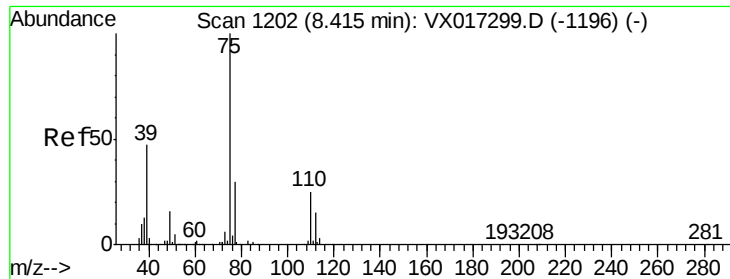
9.02

9.05

9.10

Time-->



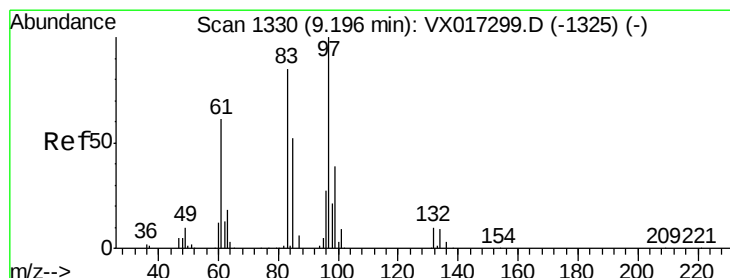
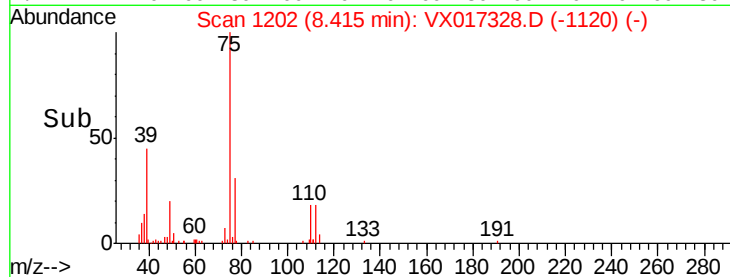
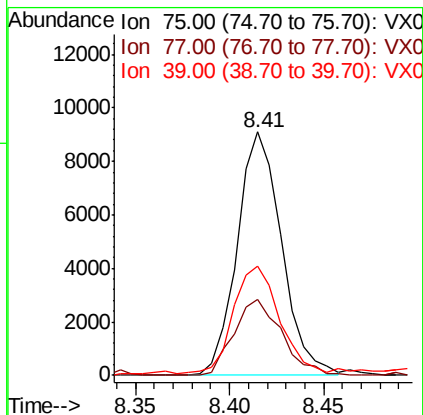
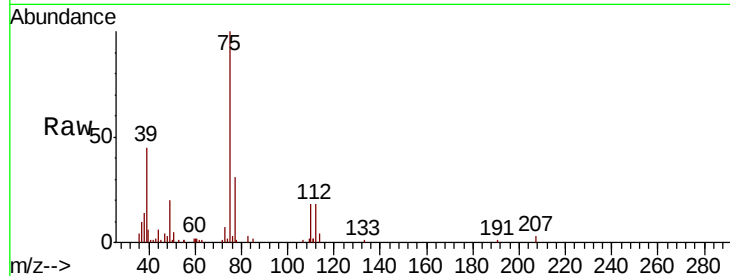


#49

cis-1,3-Dichloropropene
 Concen: 2.449 ug/l
 RT: 8.41 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

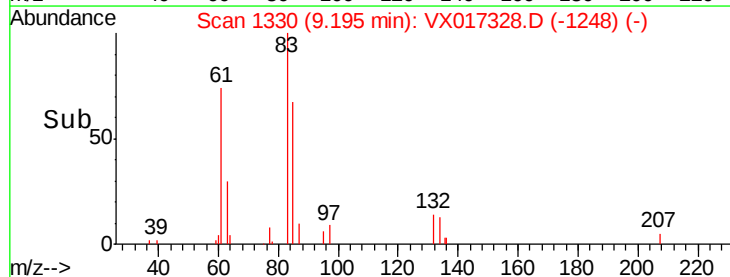
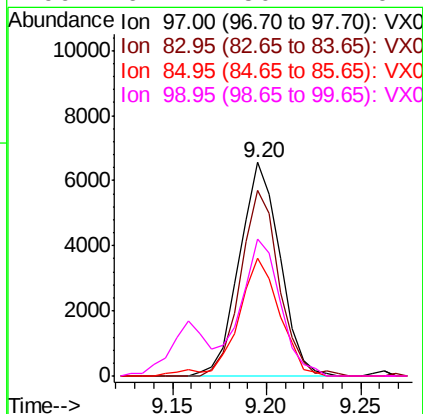
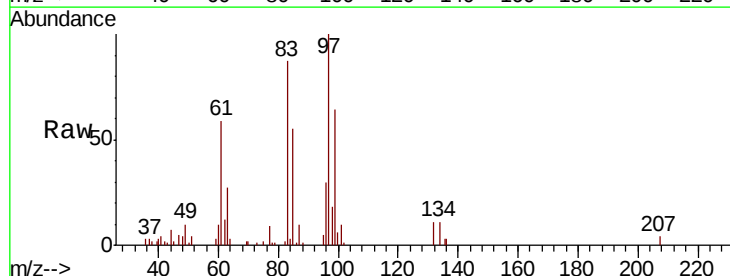
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	23.6	35.4
39	43.5	37.5	56.3

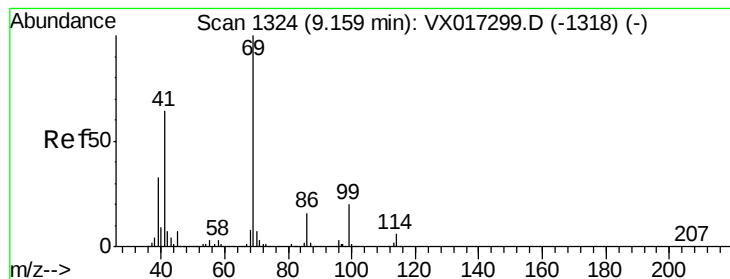


#50

1,1,2-Trichloroethane
 Concen: 2.622 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.9	101.9
85	54.9	42.6	64.0
99	64.2	50.7	76.1





#51

Ethyl methacrylate

Concen: 2.146 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

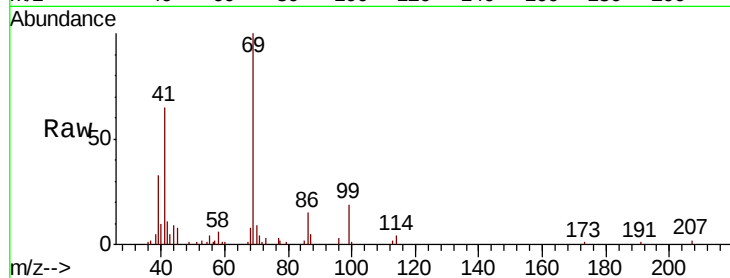
Tot Ion: 69 Resp: 11681

Ion Ratio Lower Upper

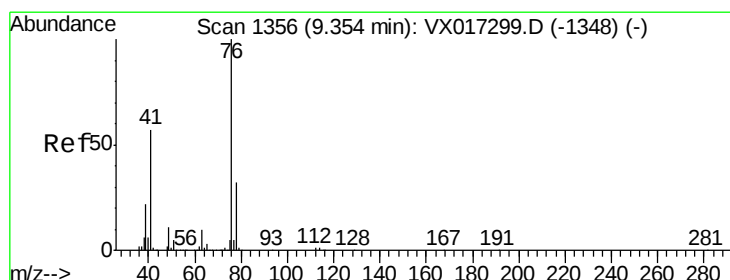
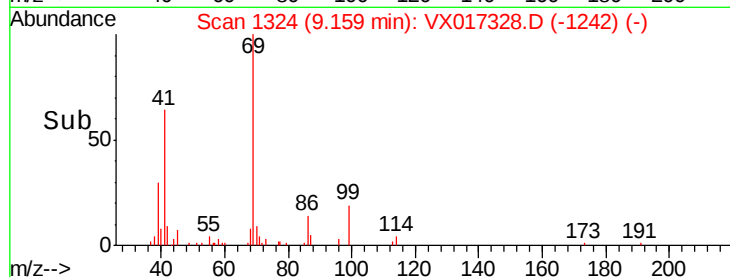
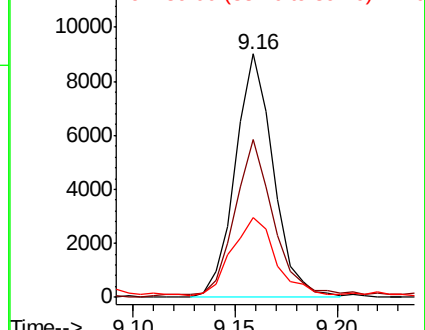
69 100

41 63.4 32.1 96.5

39 31.8 16.3 48.9



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 2.452 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX017328.D

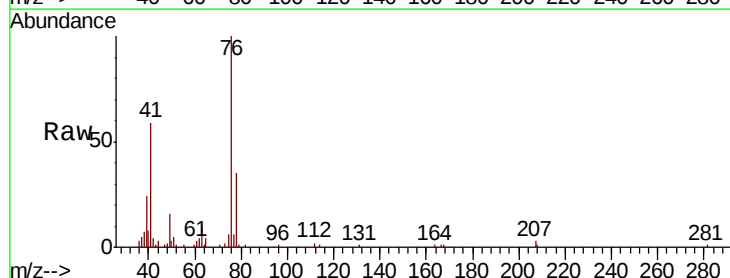
Acq: 10 Jul 2020 12:15

Tgt Ion: 76 Resp: 14919

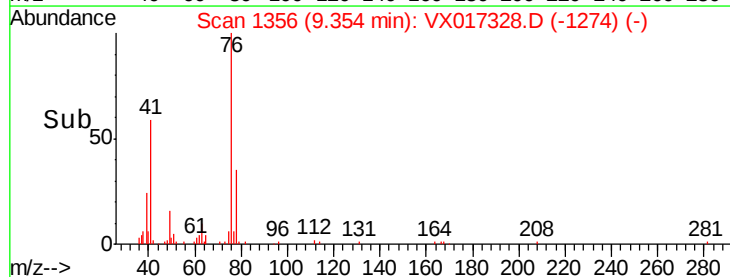
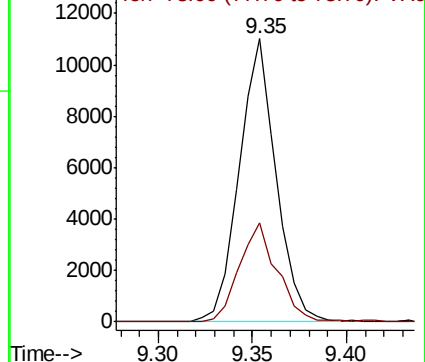
Ion Ratio Lower Upper

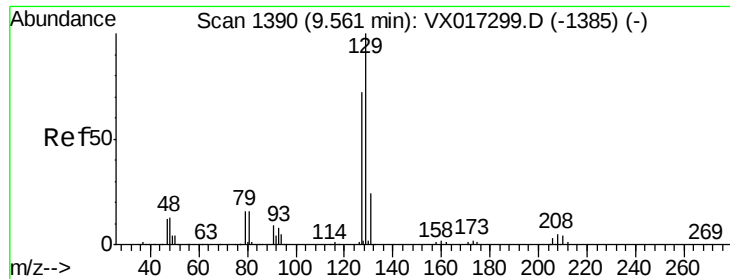
76 100

78 35.6 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VX0
Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 2.377 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.01 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

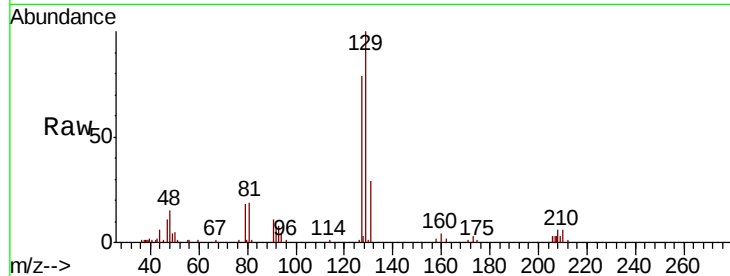
MDL-WATER-03-QT3-2020

Tot Ion:129 Resp: 10839

Ion Ratio Lower Upper

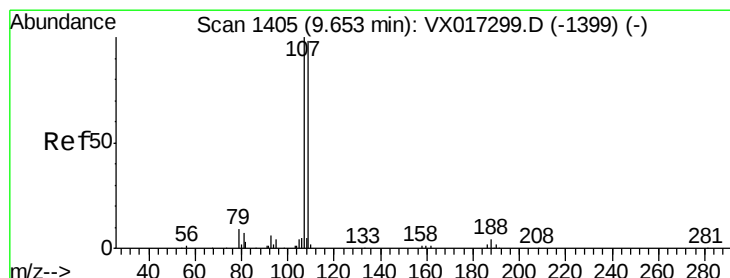
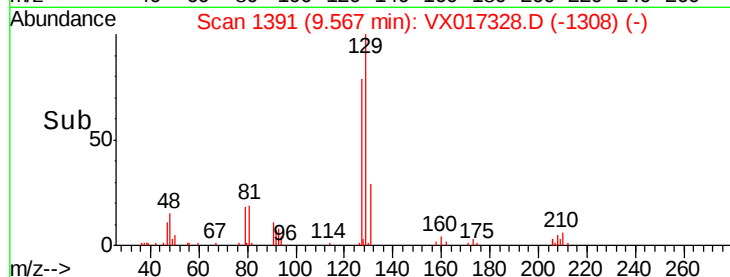
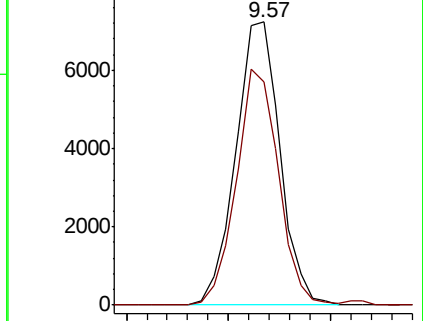
129 100

127 79.7 37.5 112.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 2.445 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017328.D

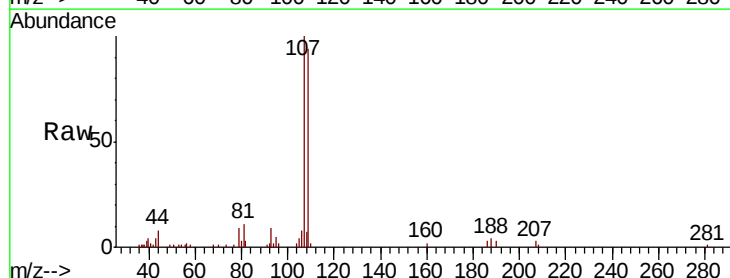
Acq: 10 Jul 2020 12:15

Tgt Ion:107 Resp: 9768

Ion Ratio Lower Upper

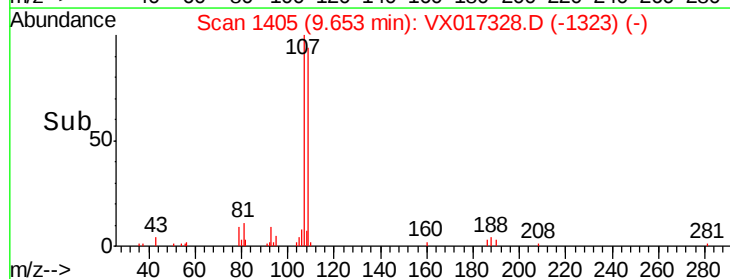
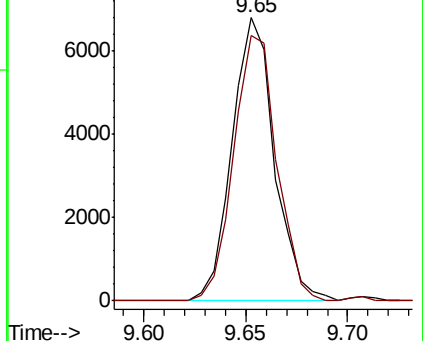
107 100

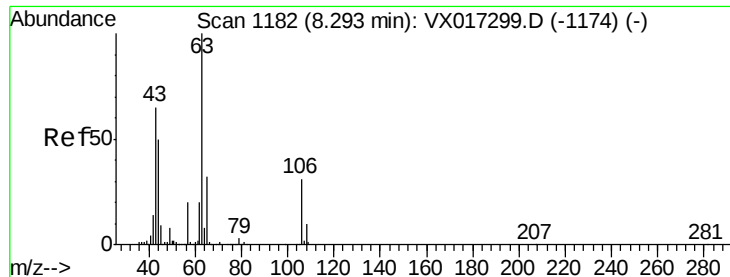
109 96.0 76.9 115.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

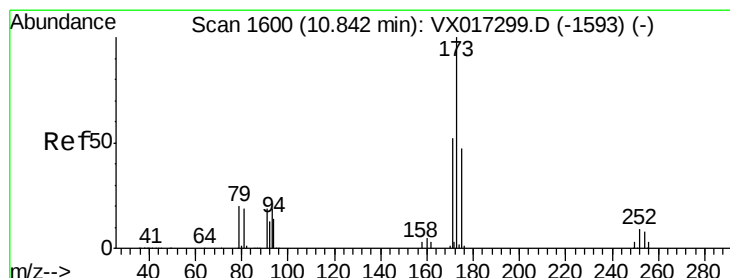
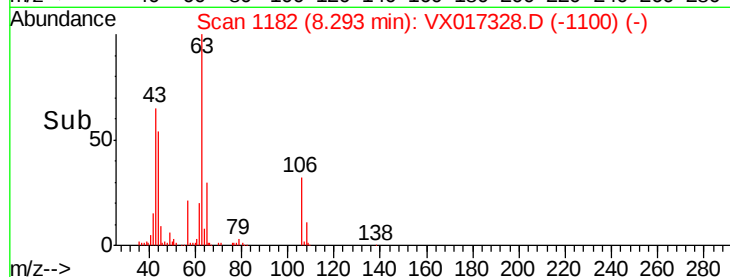
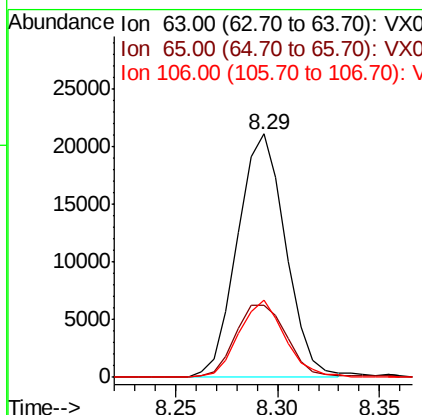
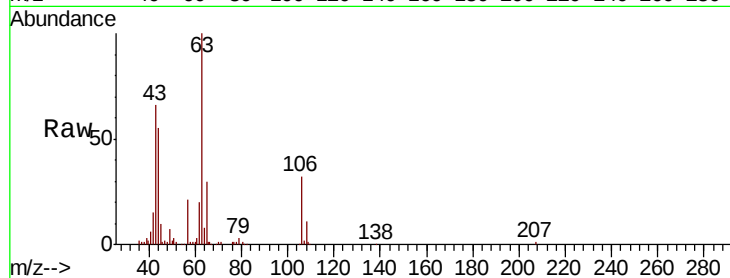




#55
2-Chloroethyl vinyl ether
Concen: 13.677 ug/l
RT: 8.29 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

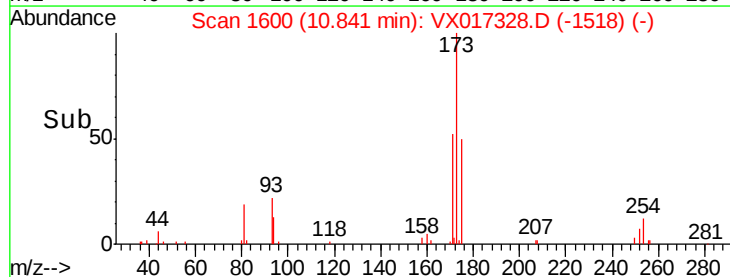
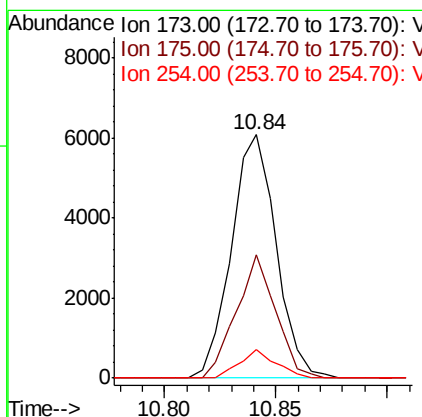
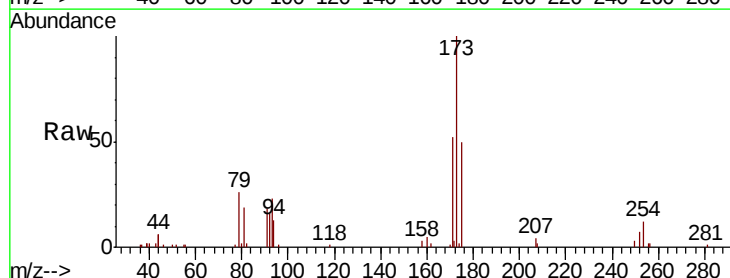
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

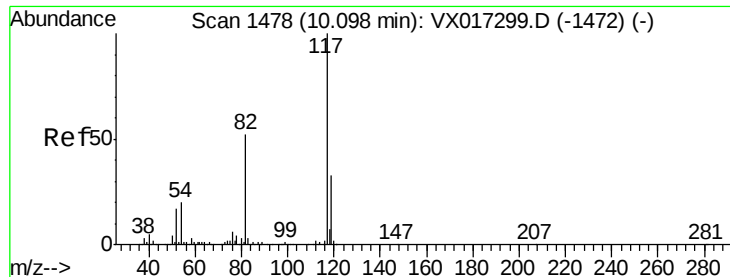
Tot Ion: 63 Resp: 34633
Ion Ratio Lower Upper
63 100
65 32.5 25.4 38.0
106 30.4 24.5 36.7



#56
Bromoform
Concen: 2.396 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Tgt Ion: 173 Resp: 8525
Ion Ratio Lower Upper
173 100
175 44.6 38.4 57.6
254 9.3 7.0 10.4

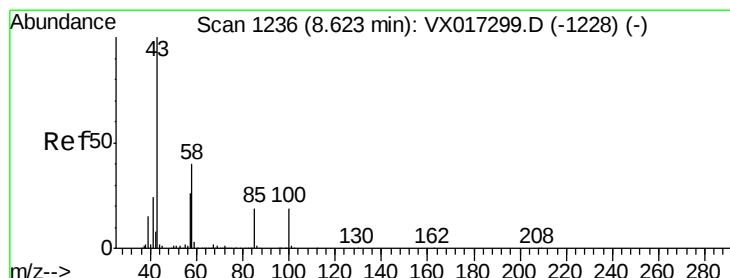
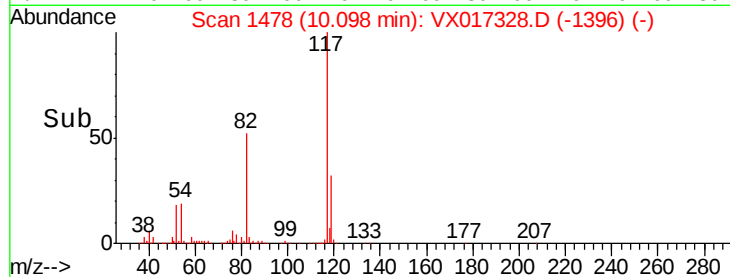
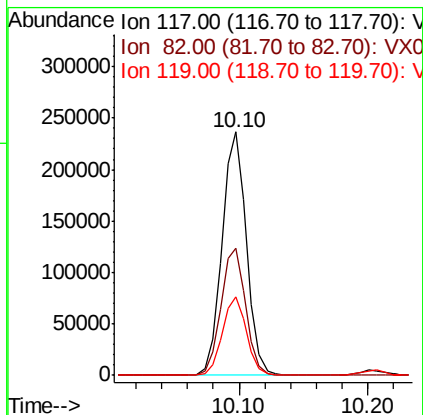
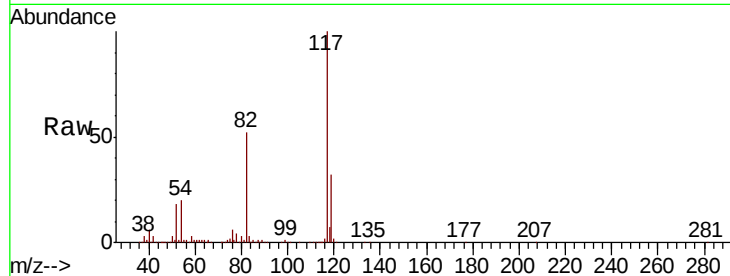




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

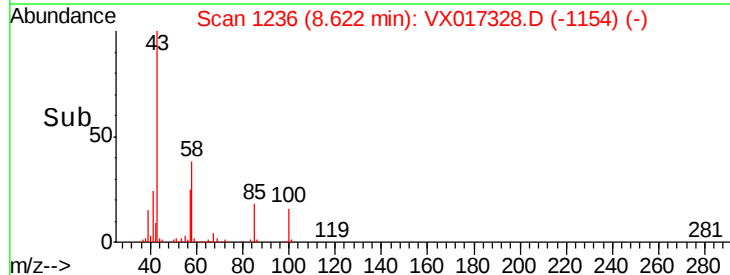
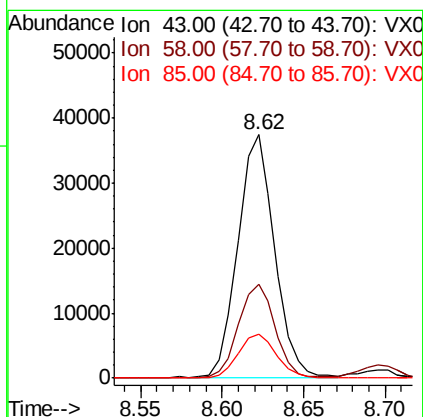
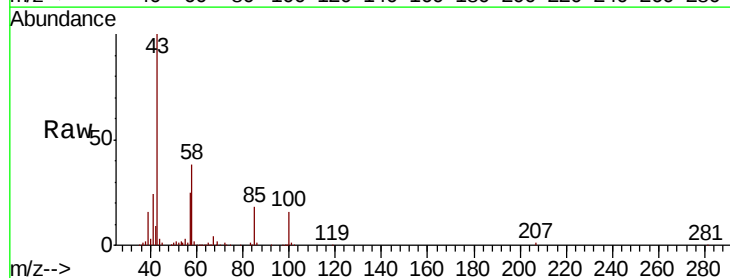
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

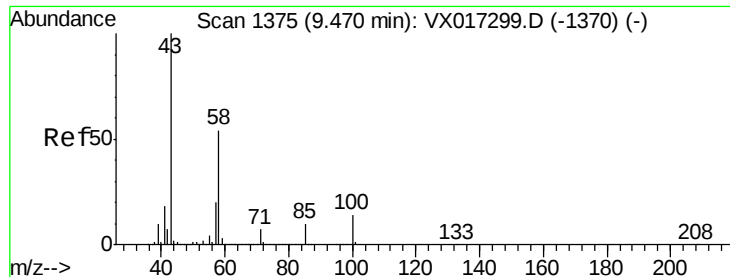
Tot Ion:117 Resp: 315295
Ion Ratio Lower Upper
117 100
82 53.0 42.2 63.4
119 32.0 26.4 39.6



#58
4-Methyl-2-Pentanone
Concen: 11.729 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Tgt Ion: 43 Resp: 58595
Ion Ratio Lower Upper
43 100
58 38.4 32.2 48.2
85 18.8 14.8 22.2

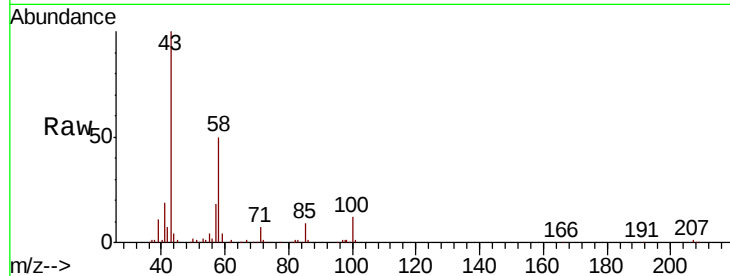




#59
2-Hexanone
Concen: 11.394 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion	43	Resp	43394
Ion Ratio	Lower	Upper	
43	100		
58	50.9	43.4	65.0
57	18.6	15.1	22.7

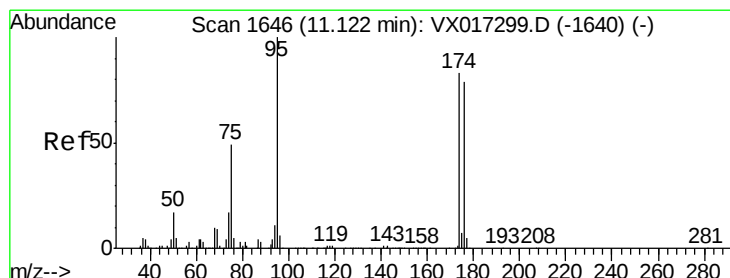
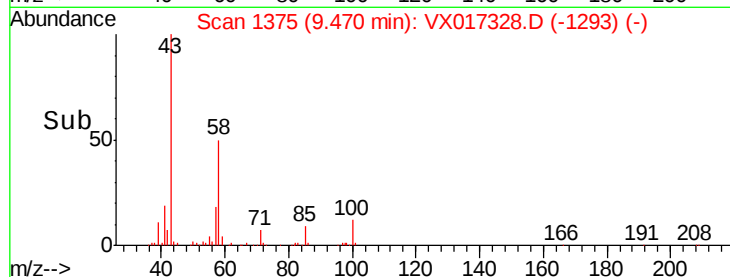
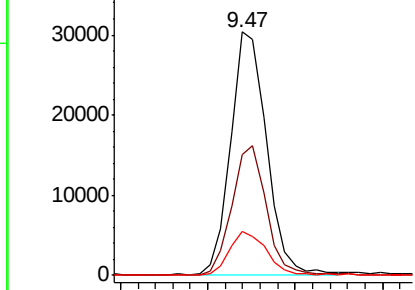


Abundance

Ion 43.00 (42.70 to 43.70): VX0

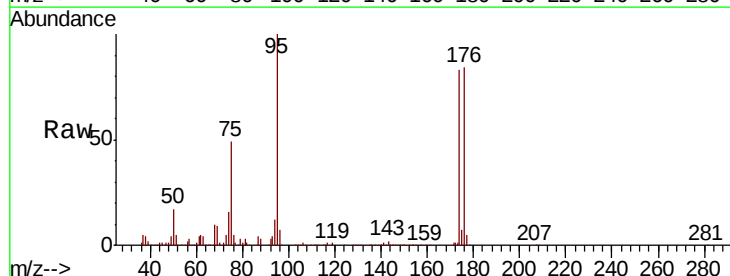
Ion 58.00 (57.70 to 58.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#60
4-Bromofluorobenzene
Concen: 27.168 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Tgt Ion	95	Resp	146133
Ion Ratio	Lower	Upper	
95	100		
174	85.0	66.9	100.3
176	83.9	65.5	98.3

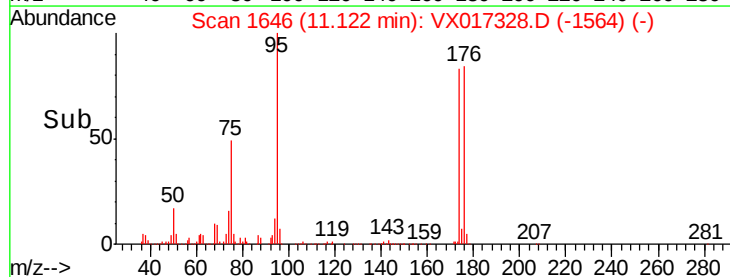
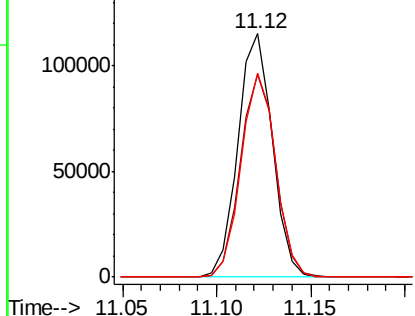


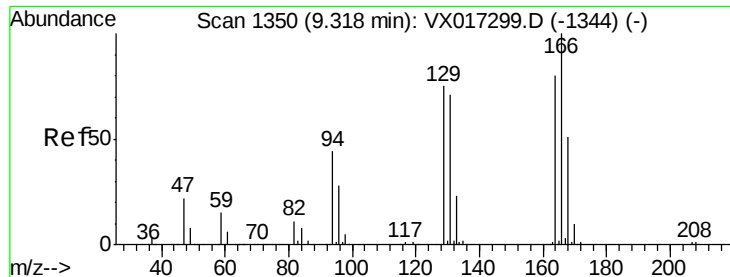
Abundance

Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 2.676 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:164 Resp: 10747

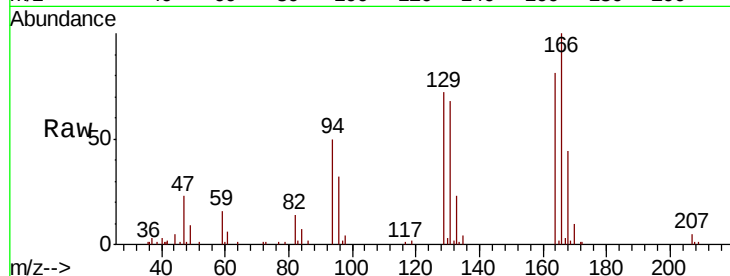
Ion Ratio Lower Upper

164 100

166 122.8 99.8 149.6

129 88.5 74.4 111.6

131 84.0 70.6 105.8

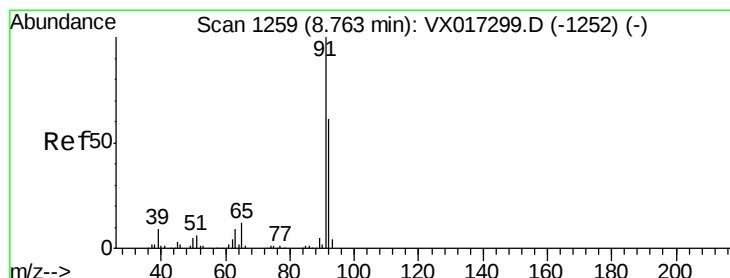
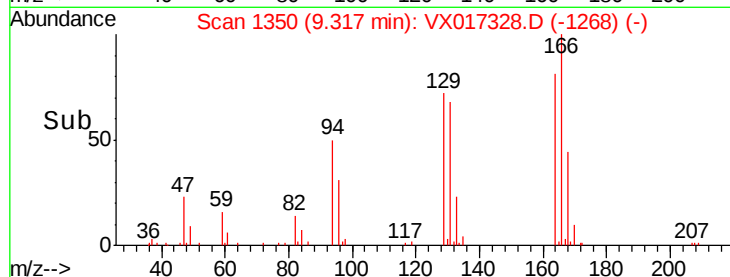
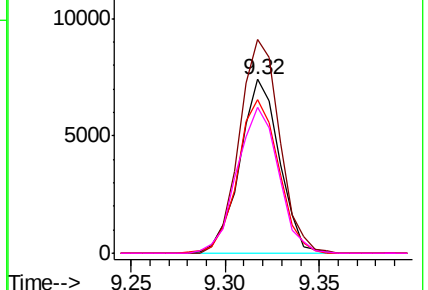


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 2.467 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017328.D

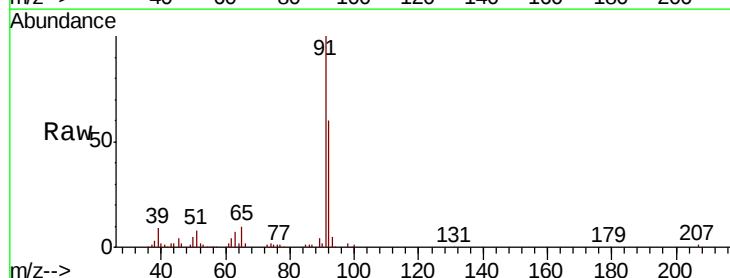
Acq: 10 Jul 2020 12:15

Tgt Ion: 91 Resp: 36830

Ion Ratio Lower Upper

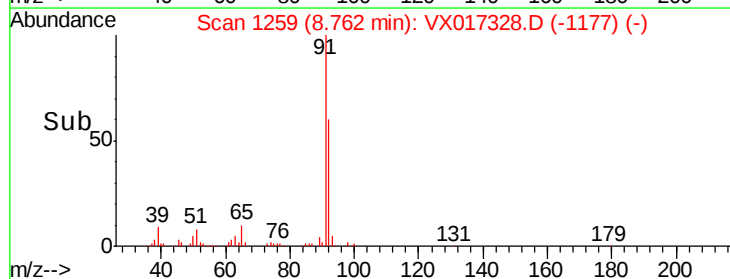
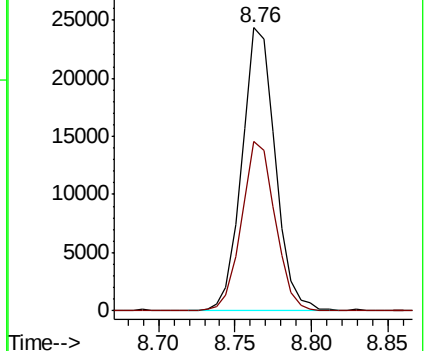
91 100

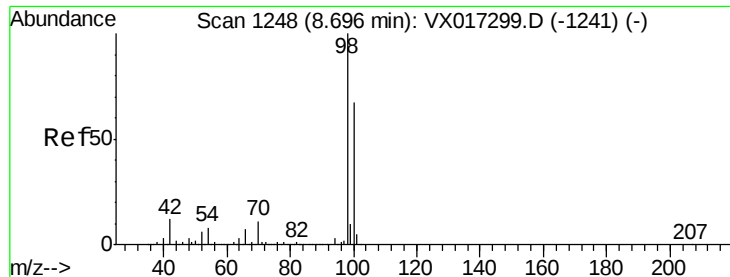
92 60.3 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.360 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

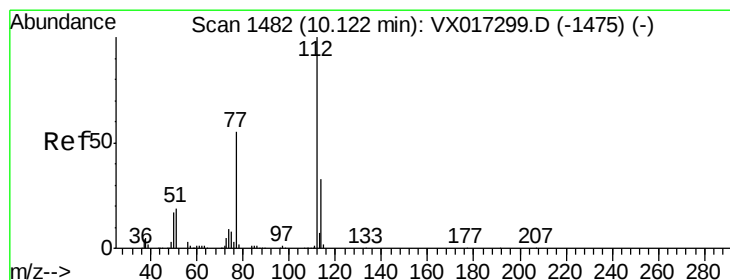
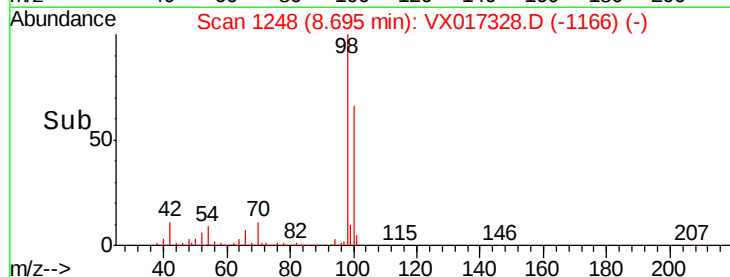
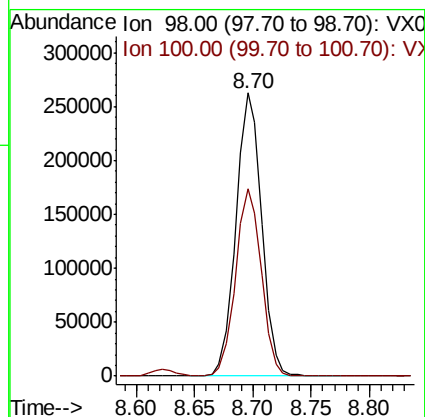
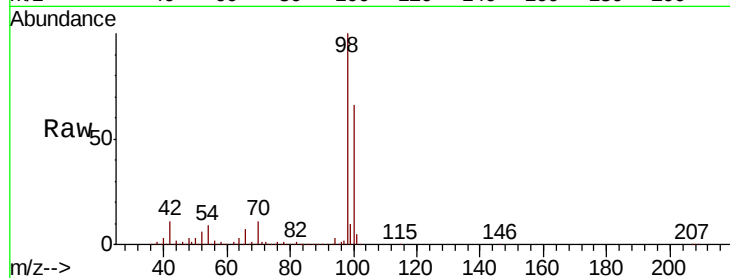
MDL-WATER-03-QT3-2020

Tot Ion: 98 Resp: 404903

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2



#64

Chlorobenzene

Concen: 2.568 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017328.D

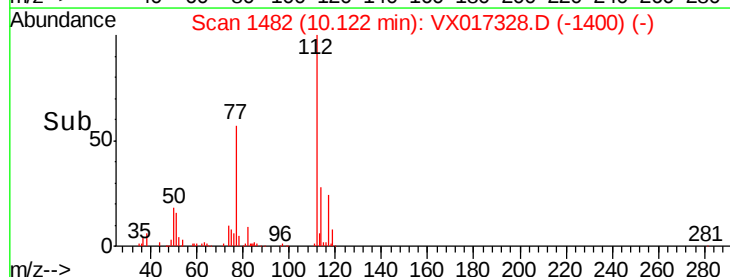
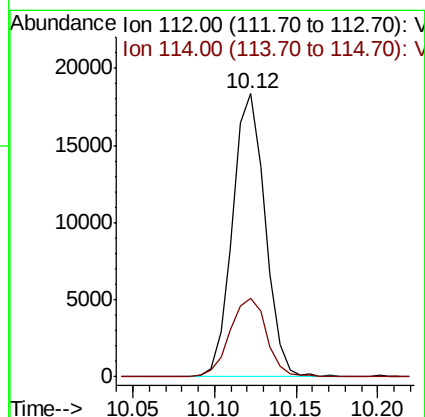
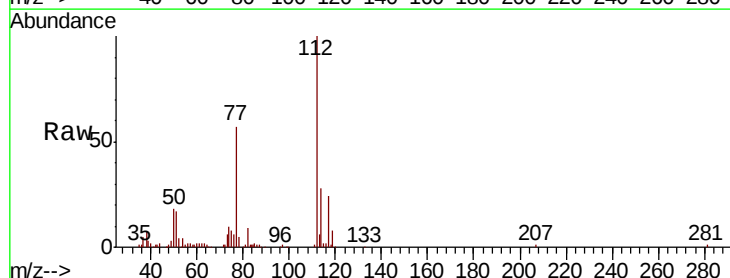
Acq: 10 Jul 2020 12:15

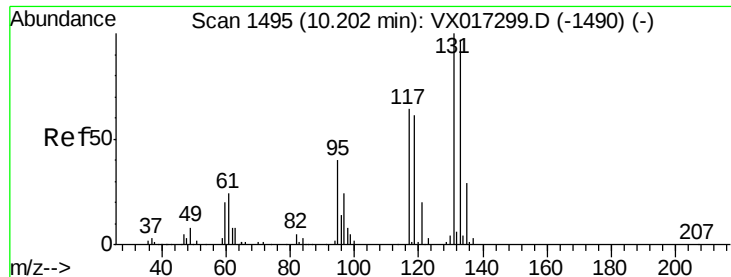
Tgt Ion: 112 Resp: 25569

Ion Ratio Lower Upper

112 100

114 27.7 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 2.500 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

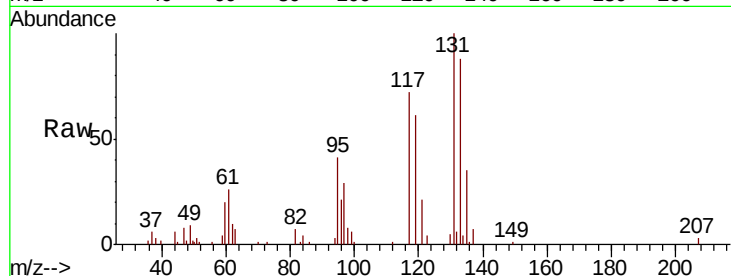
Tot Ion:131 Resp: 10171

Ion Ratio Lower Upper

131 100

133 94.7 0.0 196.8

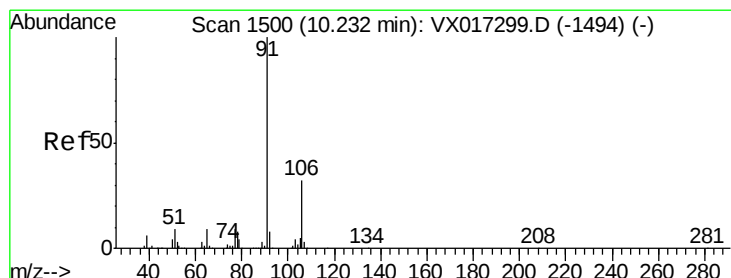
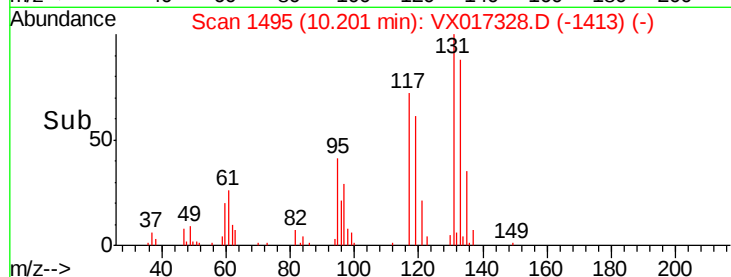
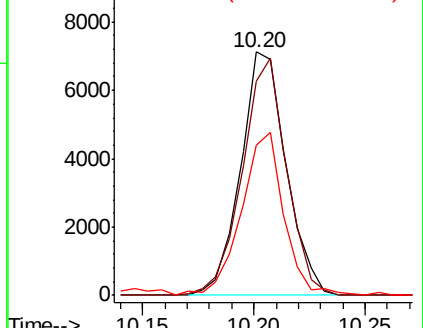
119 61.3 0.0 126.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 2.260 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX017328.D

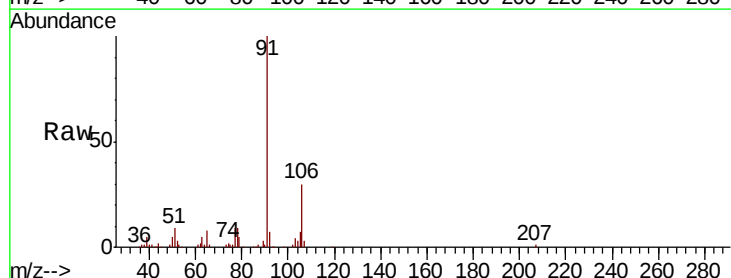
Acq: 10 Jul 2020 12:15

Tgt Ion: 91 Resp: 37958

Ion Ratio Lower Upper

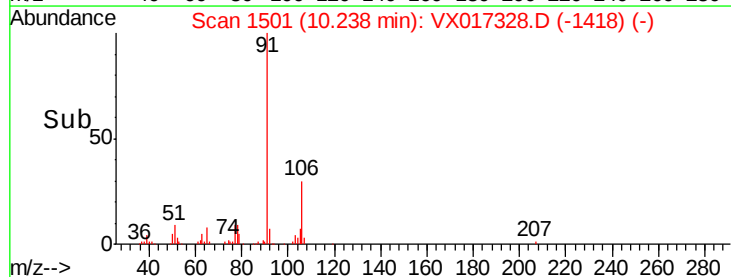
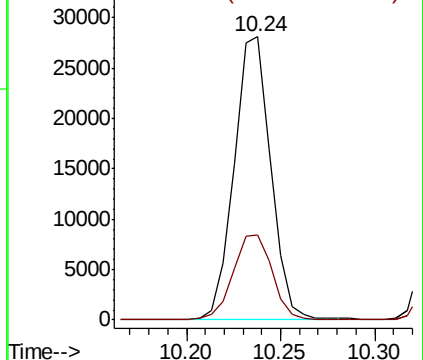
91 100

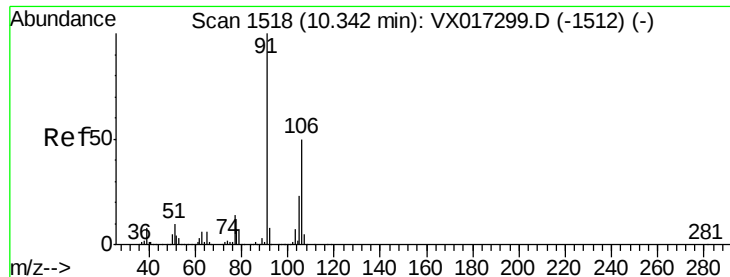
106 29.8 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

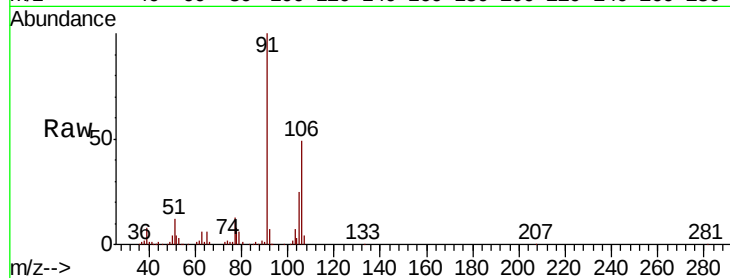




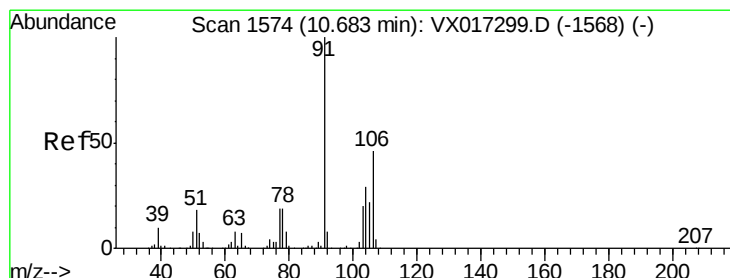
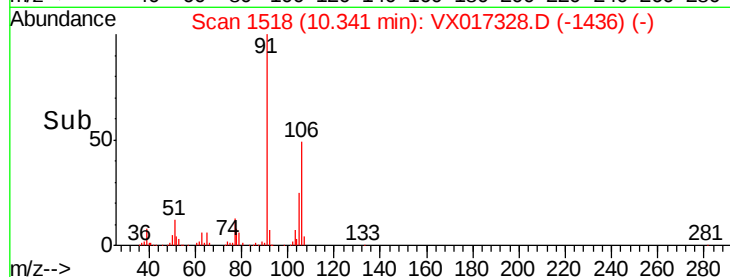
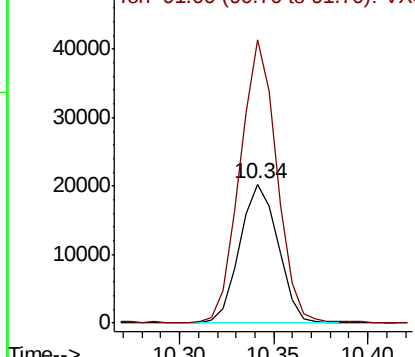
#67
m/p-Xylenes
Concen: 4.440 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion:106 Resp: 28814
Ion Ratio Lower Upper
106 100
91 196.0 159.7 239.5

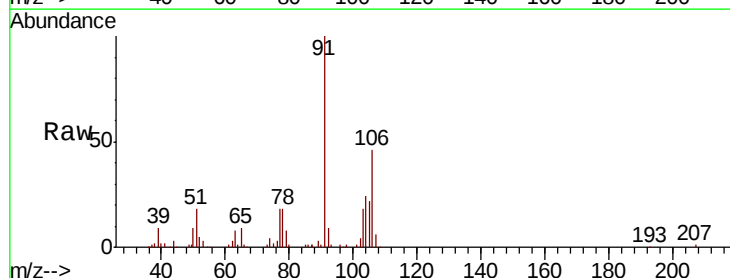


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

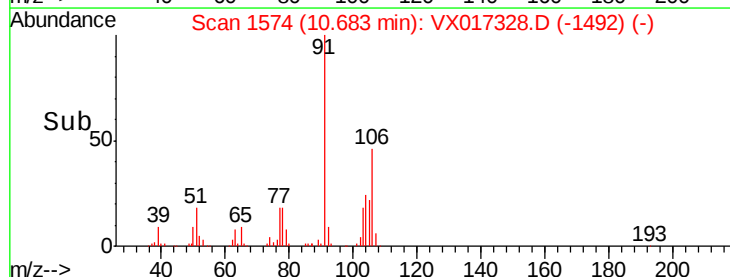
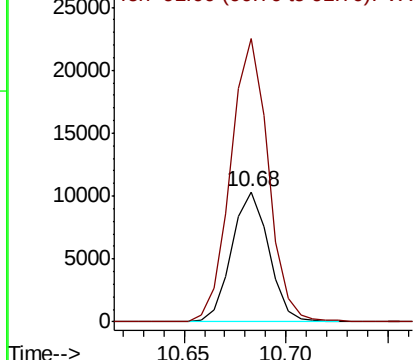


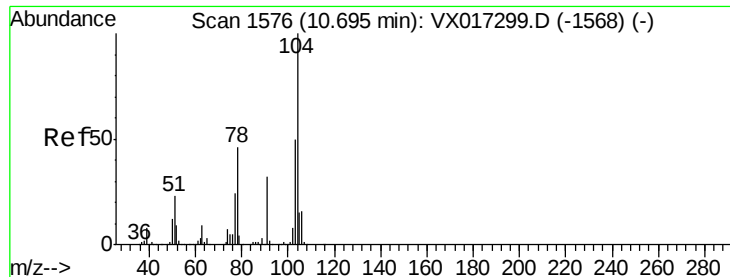
#68
o-Xylene
Concen: 2.116 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Tgt Ion:106 Resp: 13051
Ion Ratio Lower Upper
106 100
91 220.3 109.6 328.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

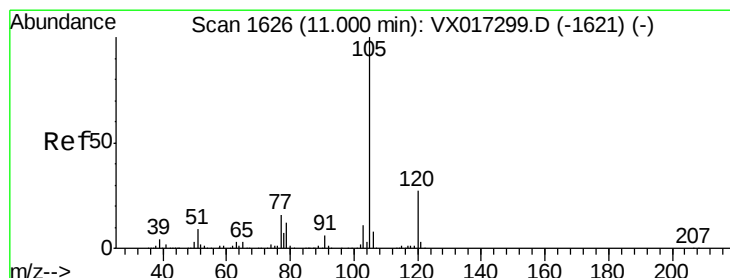
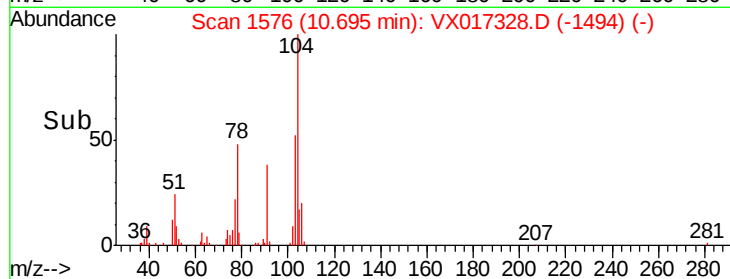
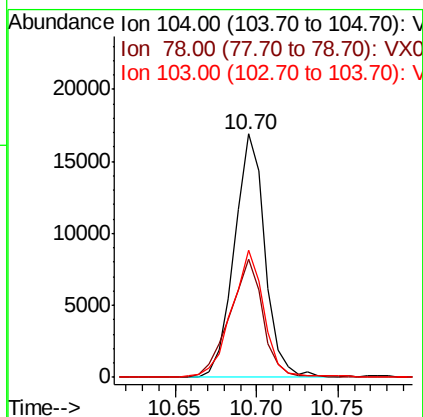
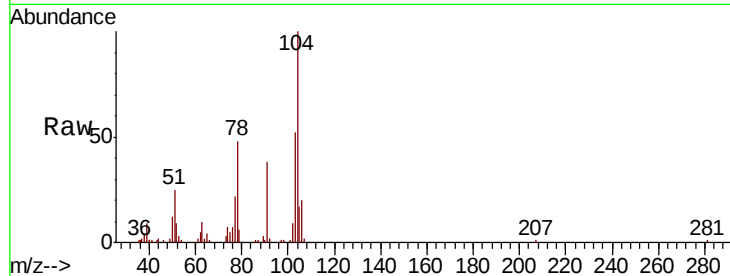




#69
Stvrene
Concen: 2.019 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

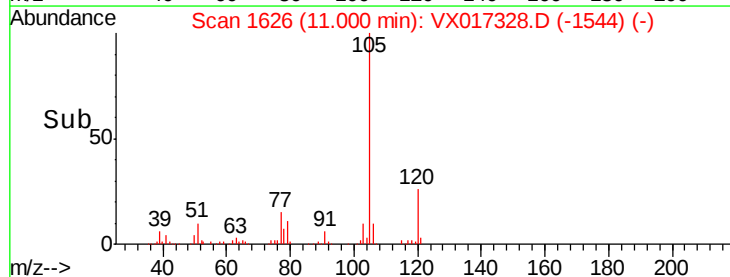
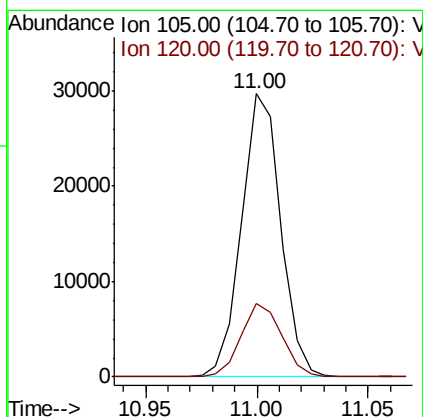
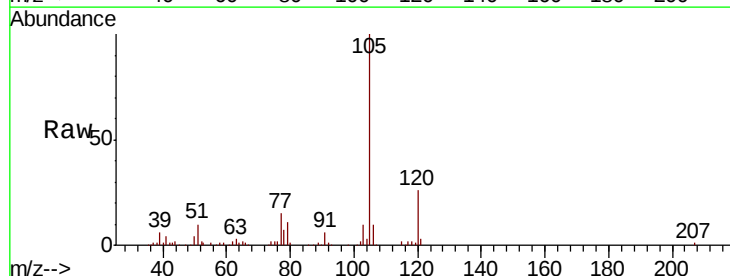
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

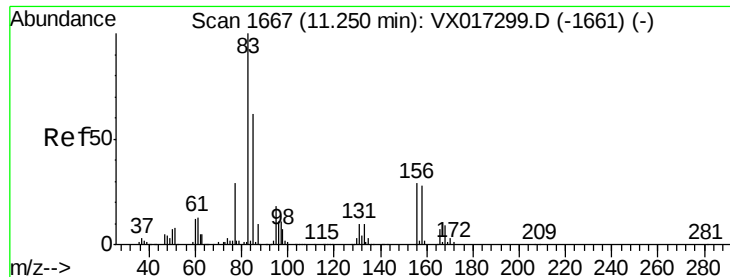
Tot Ion:104 Resp: 22084
Ion Ratio Lower Upper
104 100
78 52.3 40.8 61.2
103 54.4 44.3 66.5



#70
Isopropylbenzene
Concen: 2.167 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Tgt Ion:105 Resp: 36659
Ion Ratio Lower Upper
105 100
120 26.8 19.3 35.8

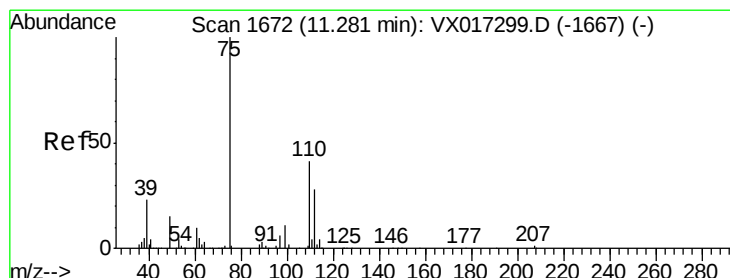
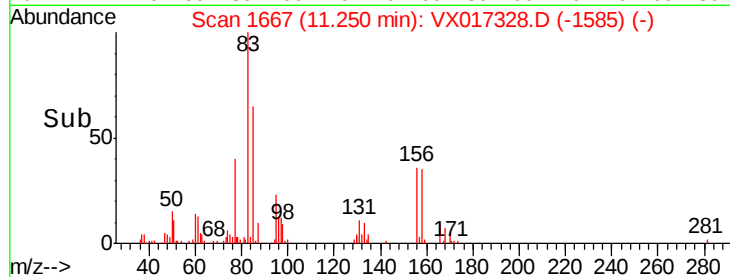
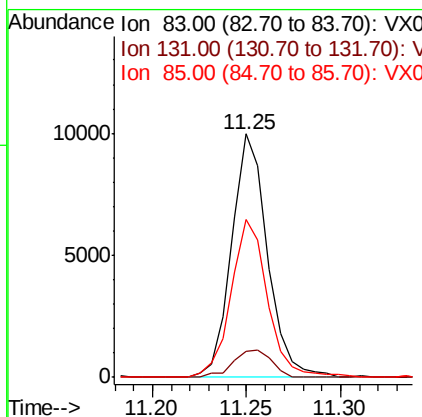
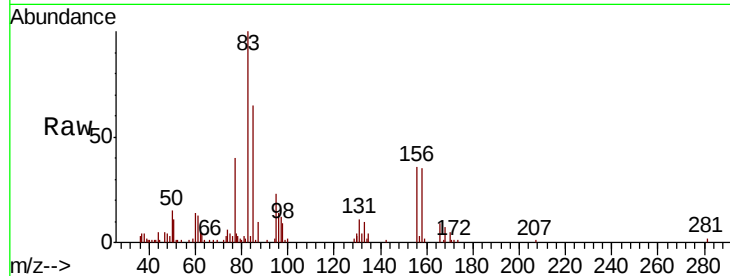




#71
 1,1,2,2-Tetrachloroethane
 Concen: 2.487 ug/l
 RT: 11.25 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

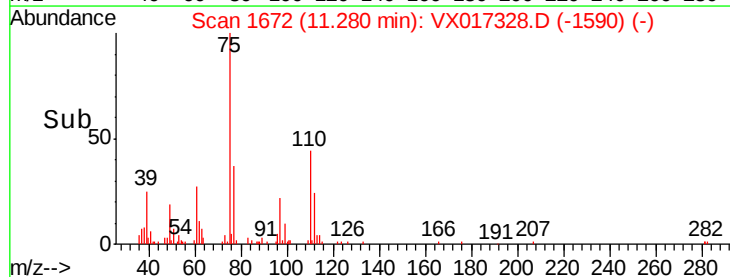
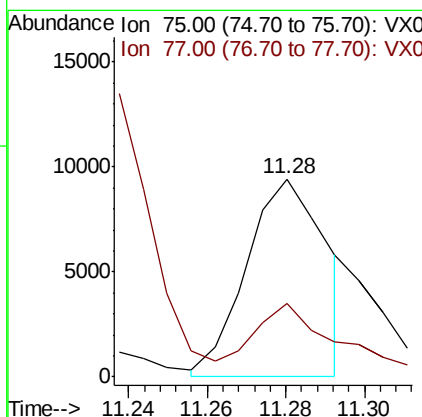
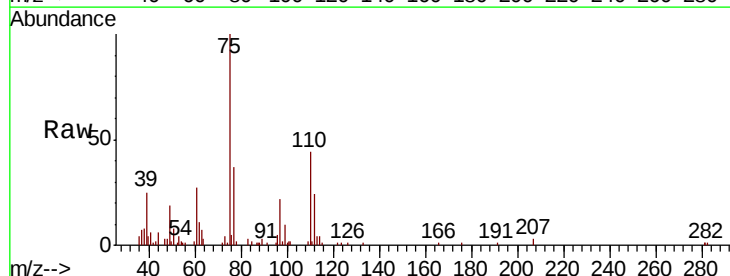
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

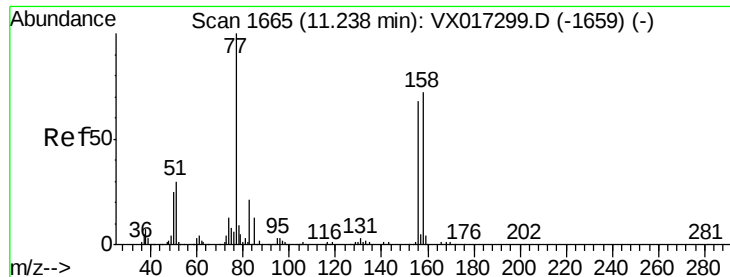
Tot Ion: 83 Resp: 13191
 Ion Ratio Lower Upper
 83 100
 131 12.1 5.5 16.5
 85 66.1 31.5 94.5



#72
 1,2,3-Trichloropropane
 Concen: 2.542 ug/l m
 RT: 11.28 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Tgt Ion: 75 Resp: 13245
 Ion Ratio Lower Upper
 75 100
 77 39.9 0.0 72.2





#73

Bromobenzene

Concen: 2.460 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

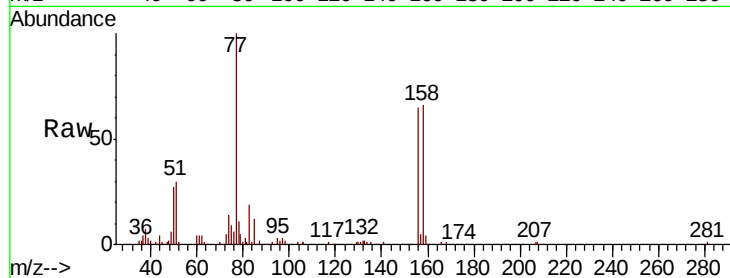
Tot Ion:156 Resp: 11690

Ion Ratio Lower Upper

156 100

77 146.3 0.0 299.2

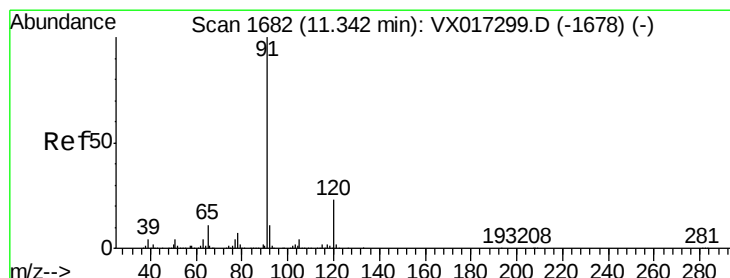
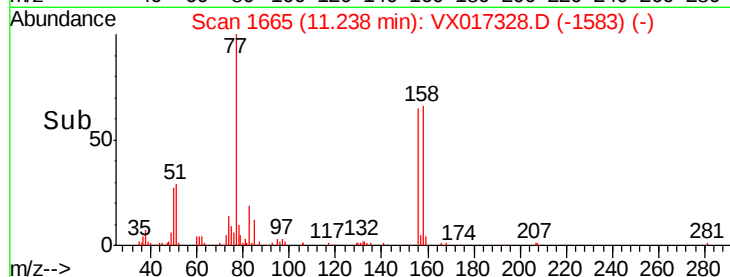
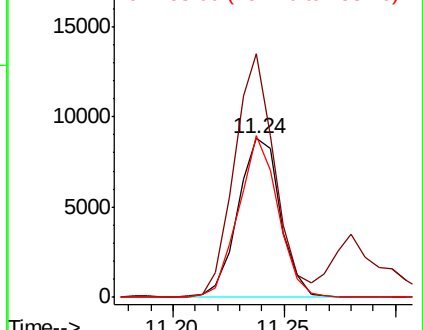
158 95.0 0.0 199.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 2.176 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017328.D

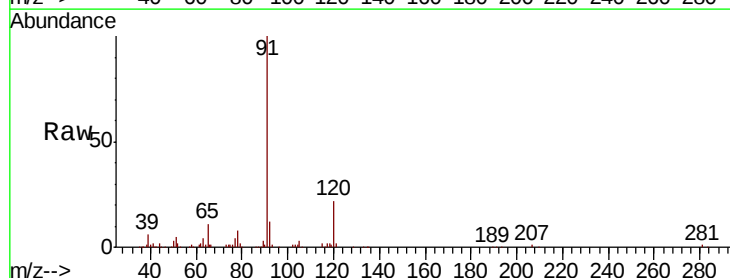
Acq: 10 Jul 2020 12:15

Tgt Ion: 91 Resp: 42633

Ion Ratio Lower Upper

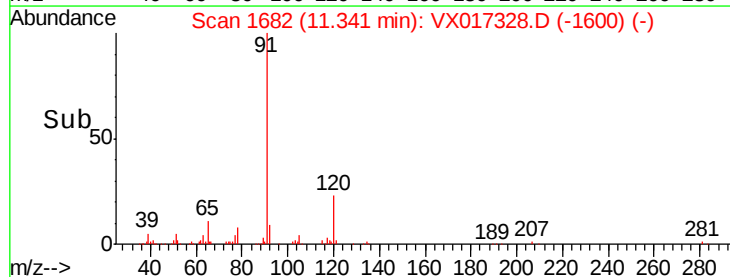
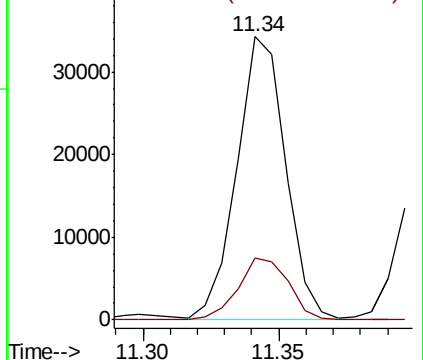
91 100

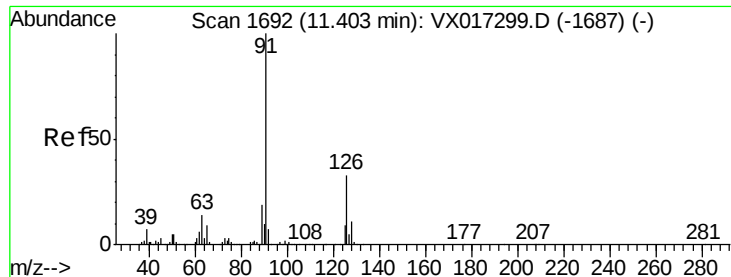
120 22.5 0.0 48.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.227 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

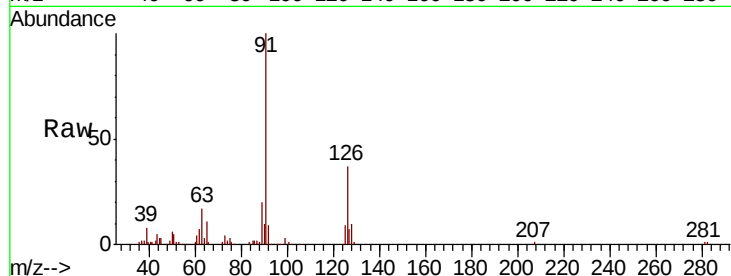
MDL-WATER-03-QT3-2020

Tot Ion: 91 Resp: 26599

Ion Ratio Lower Upper

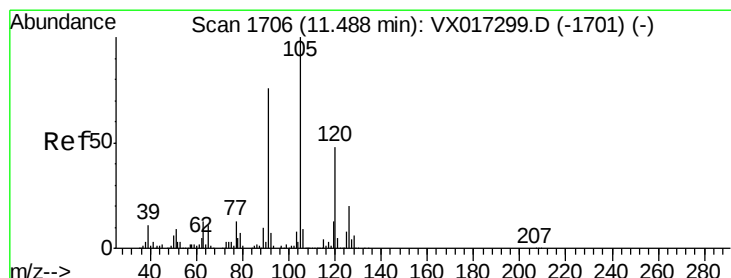
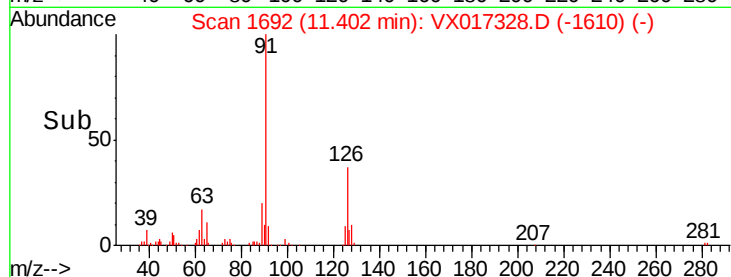
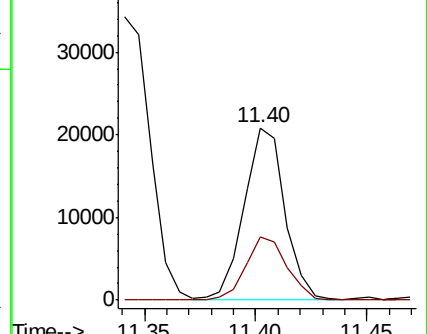
91 100

126 37.3 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VX017299.D (-1687) (-)

Ion 126.00 (125.70 to 126.70): VX017299.D (-1687) (-)



#76

1,3,5-Trimethylbenzene

Concen: 2.107 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX017328.D

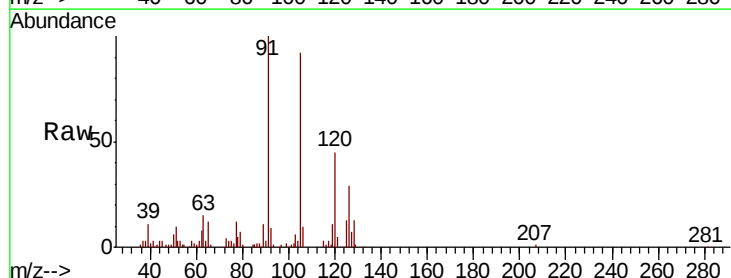
Acq: 10 Jul 2020 12:15

Tgt Ion: 105 Resp: 30572

Ion Ratio Lower Upper

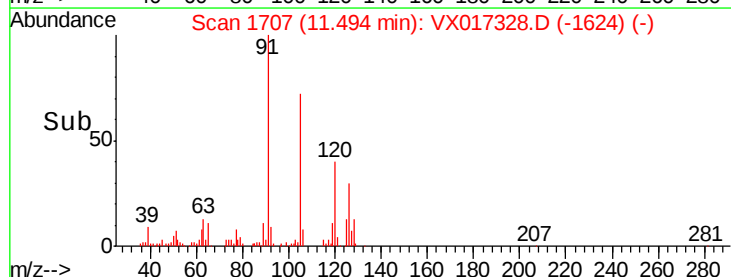
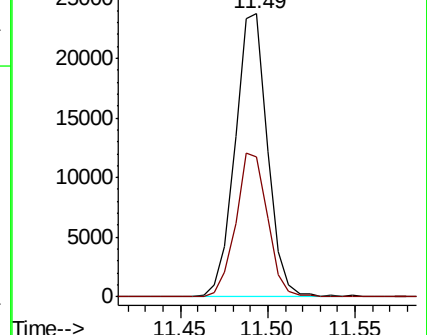
105 100

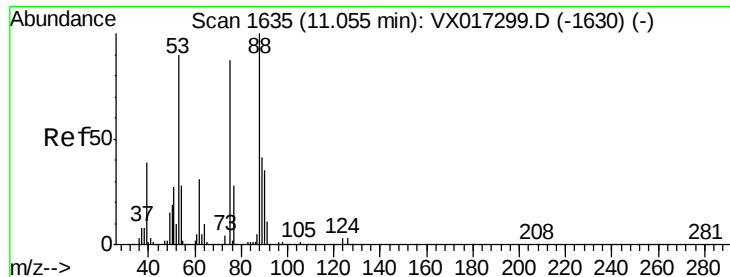
120 49.3 0.0 98.8



Abundance Ion 105.00 (104.70 to 105.70): VX017299.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX017299.D (-1701) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 2.074 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

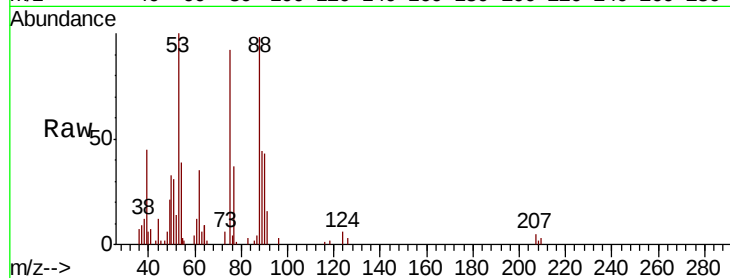
Tot Ion: 75 Resp: 4121

Ion Ratio Lower Upper

75 100

53 108.6 52.1 156.3

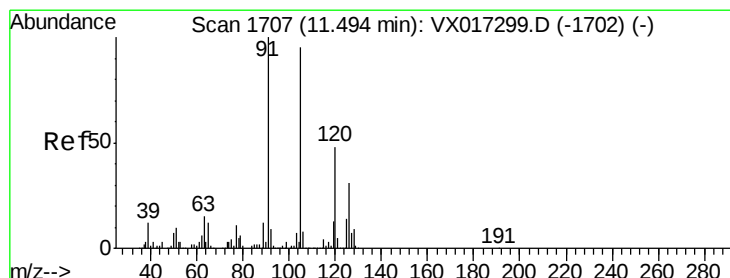
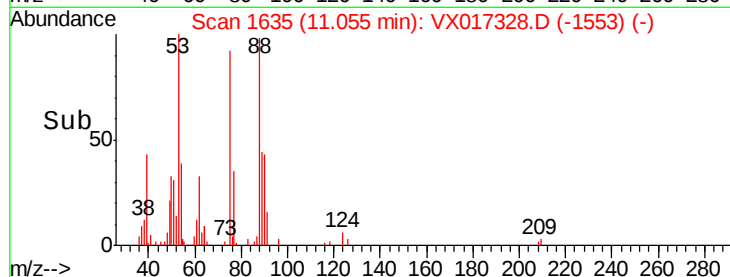
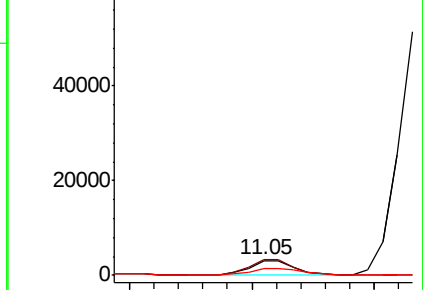
89 46.2 23.7 71.1



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0



#78

4-Chlorotoluene

Concen: 2.315 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017328.D

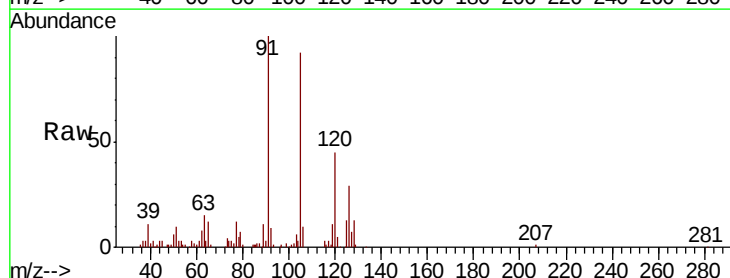
Acq: 10 Jul 2020 12:15

Tgt Ion: 91 Resp: 32780

Ion Ratio Lower Upper

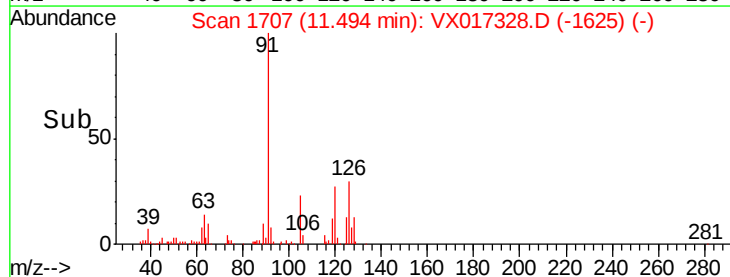
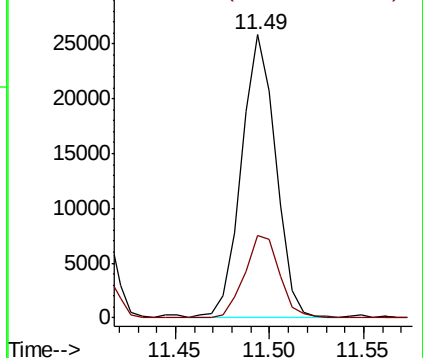
91 100

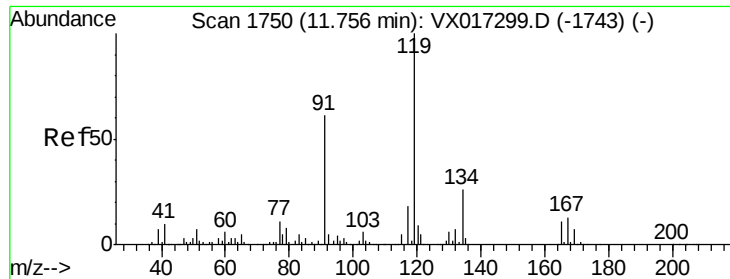
126 29.7 0.0 61.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 126.00 (125.70 to 126.70): V

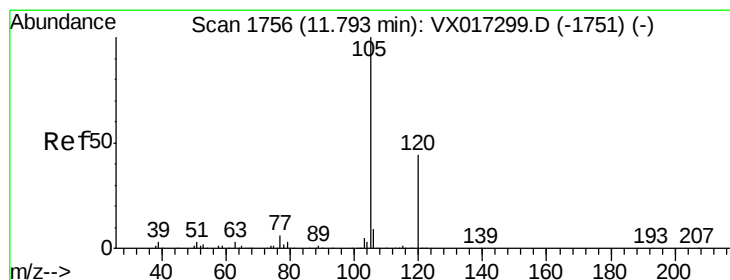
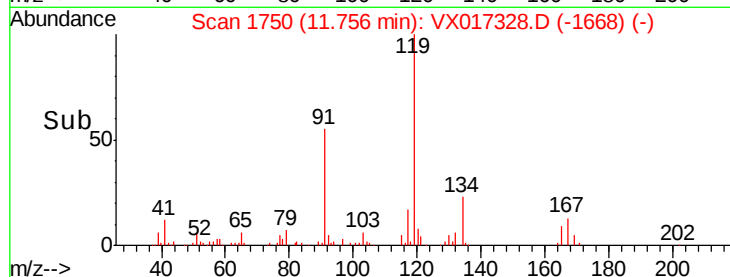
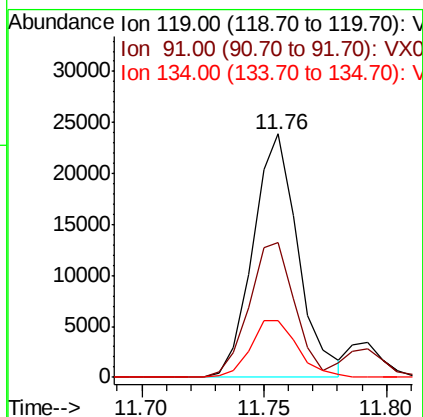
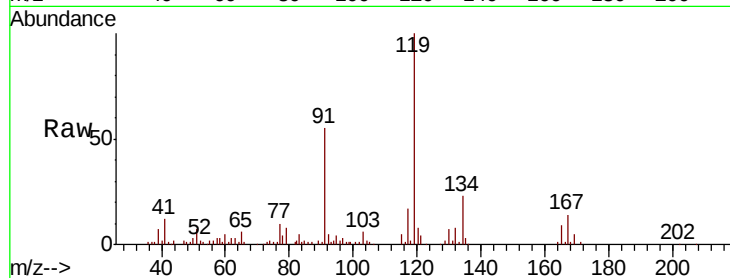




#79
tert-butylbenzene
Concen: 2.183 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

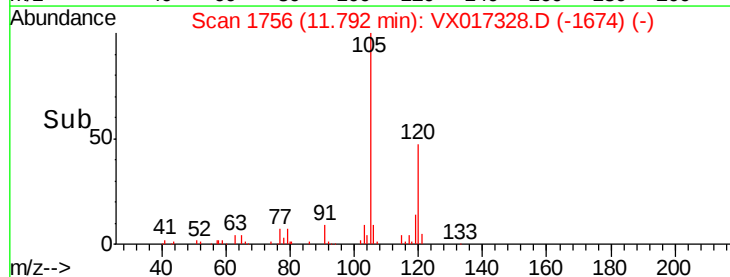
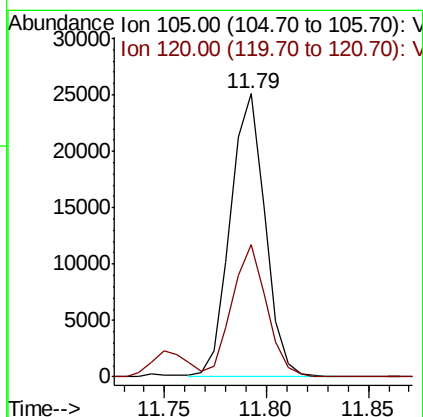
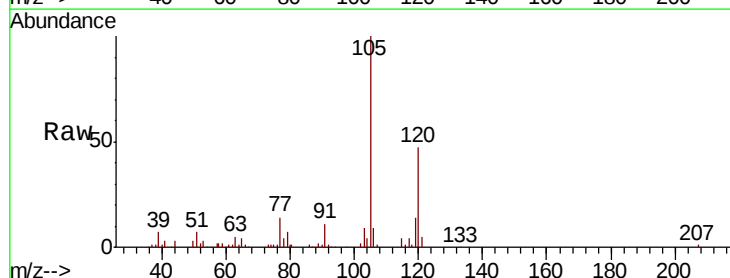
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

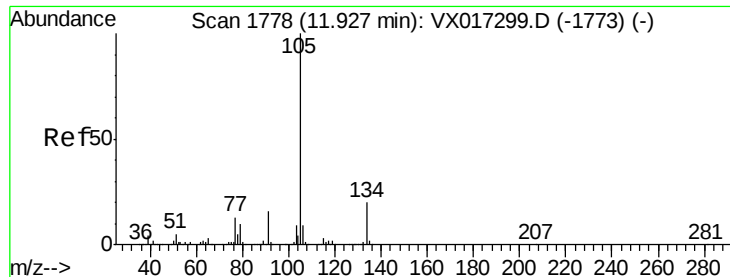
Tot Ion:119 Resp: 30735
Ion Ratio Lower Upper
119 100
91 56.2 0.0 113.6
134 24.6 0.0 48.0



#80
1,2,4-Trimethylbenzene
Concen: 2.022 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Tgt Ion:105 Resp: 29609
Ion Ratio Lower Upper
105 100
120 46.8 0.0 93.6

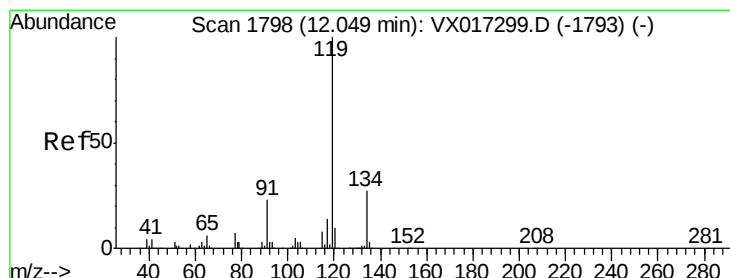
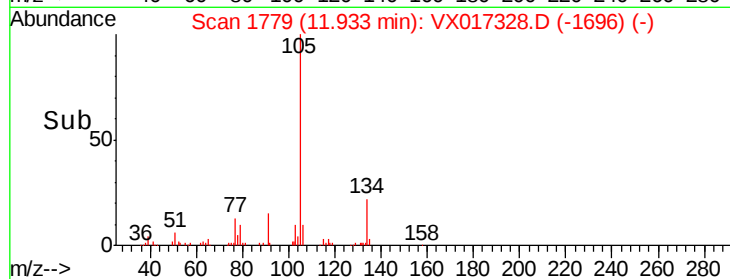
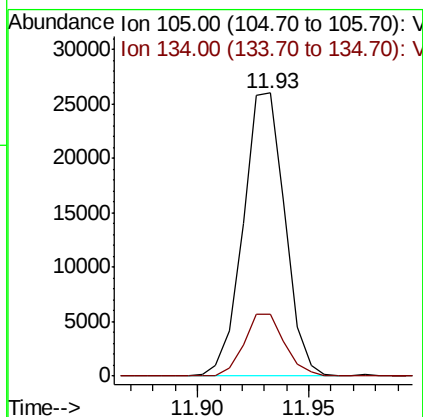
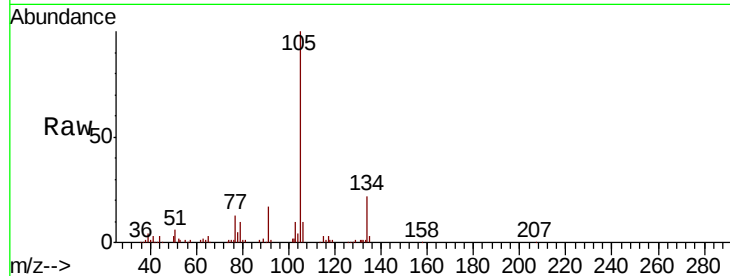




#81
 sec-Butylbenzene
 Concen: 2.096 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

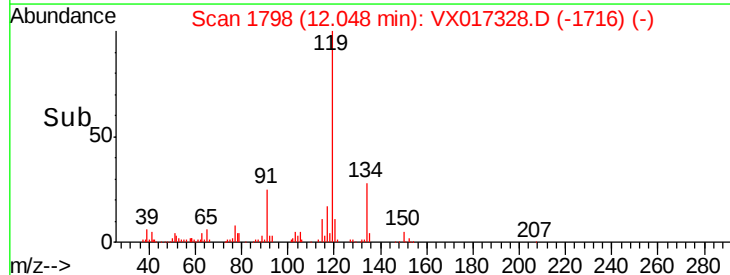
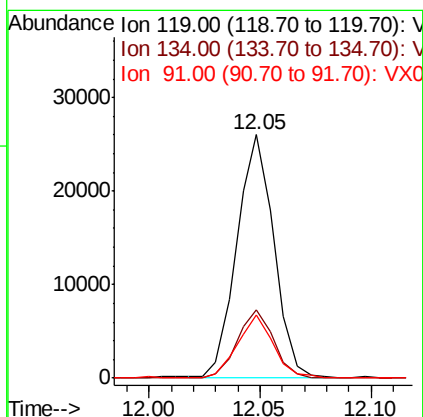
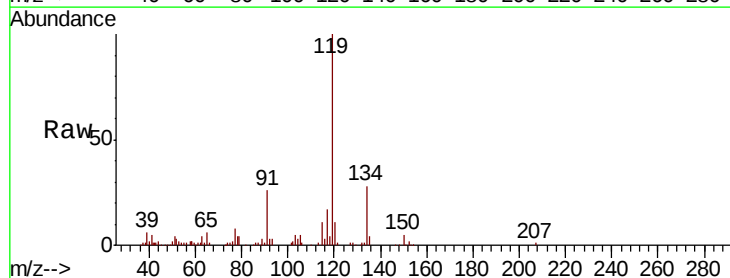
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

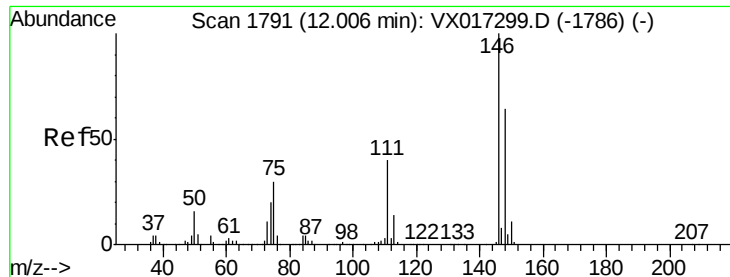
Tot Ion:105 Resp: 34014
 Ion Ratio Lower Upper
 105 100
 134 21.3 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 1.955 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Tgt Ion:119 Resp: 30011
 Ion Ratio Lower Upper
 119 100
 134 27.5 0.0 53.6
 91 25.7 0.0 48.0

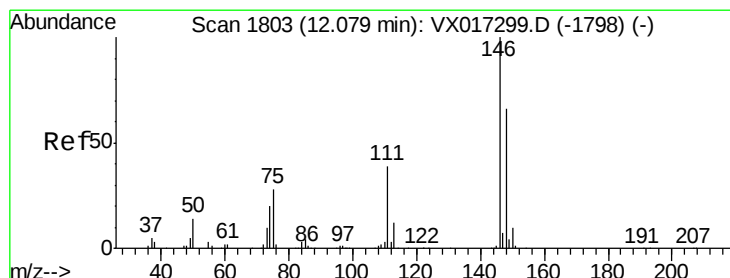
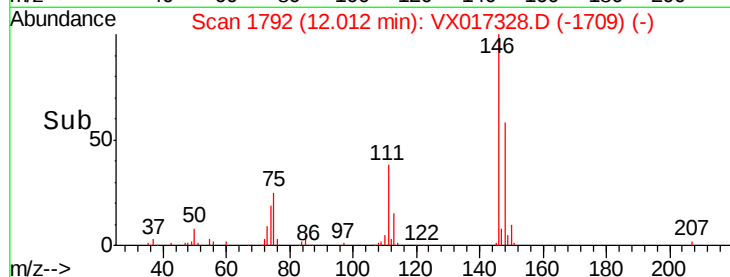
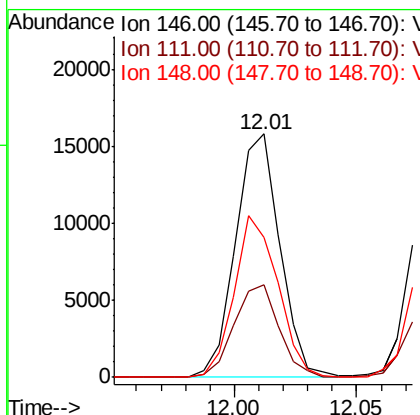
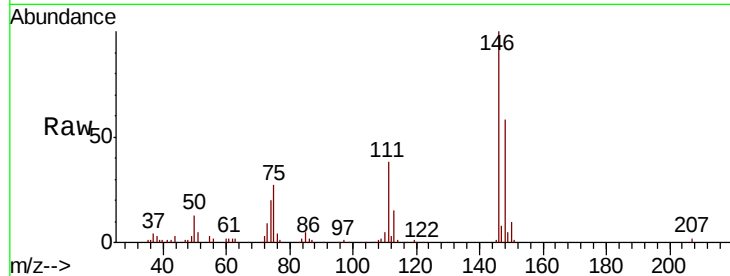




#83
 1,3-Dichlorobenzene
 Concen: 2.336 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

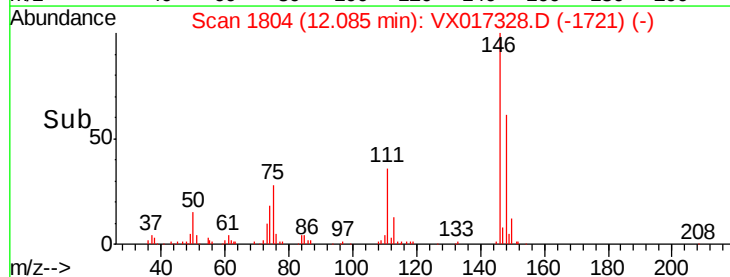
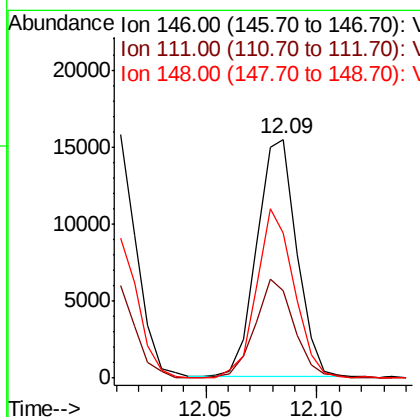
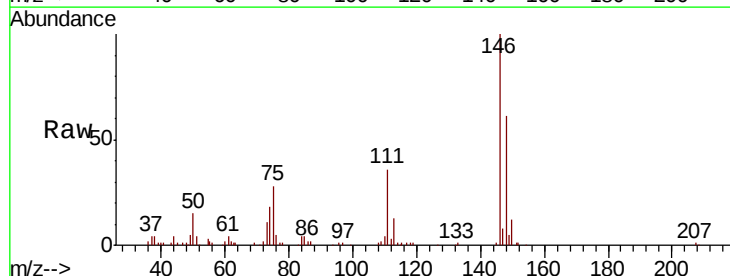
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

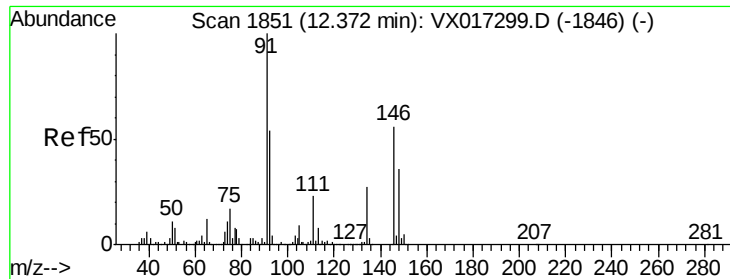
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	65.2	31.8	95.3



#84
 1,4-Dichlorobenzene
 Concen: 2.230 ug/l
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.1	57.3
148	66.7	32.6	97.8

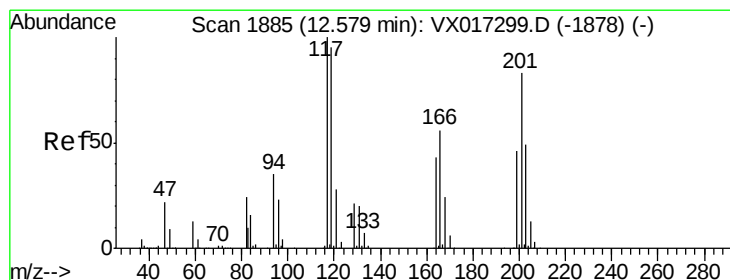
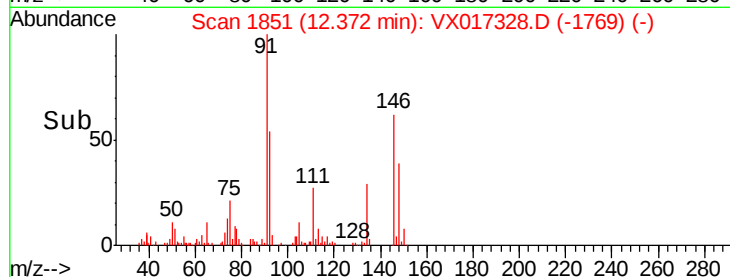
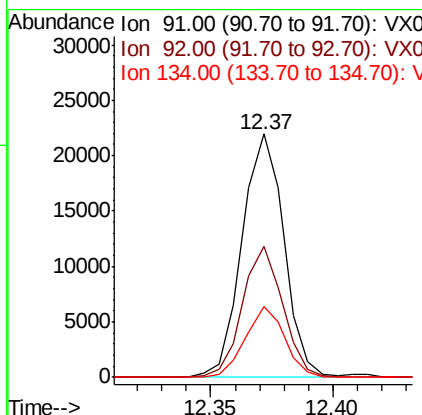
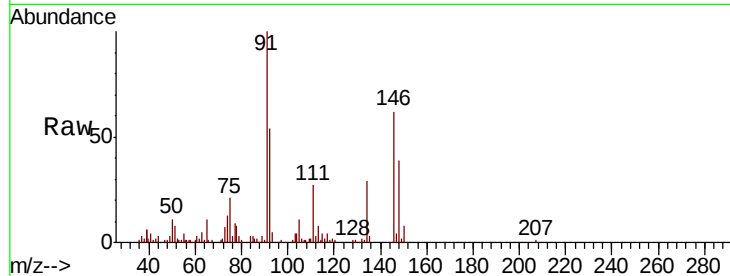




#85
n-Butylbenzene
Concen: 2.023 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

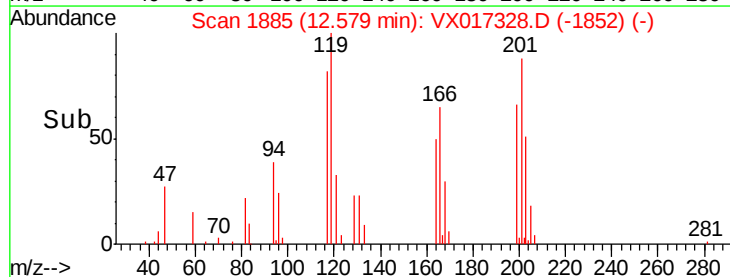
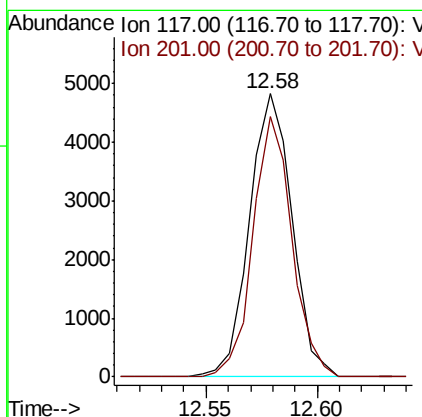
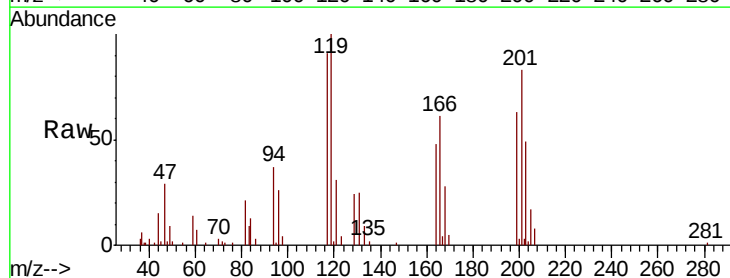
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

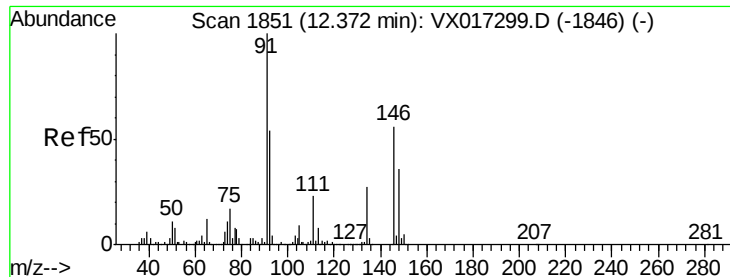
Tot Ion: 91 Resp: 26233
Ion Ratio Lower Upper
91 100
92 51.8 0.0 108.2
134 27.1 0.0 54.2



#86
Hexachloroethane
Concen: 2.172 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Tgt Ion: 117 Resp: 6450
Ion Ratio Lower Upper
117 100
201 84.1 41.0 123.0





#87

1,2-Dichlorobenzene

Concen: 2.292 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

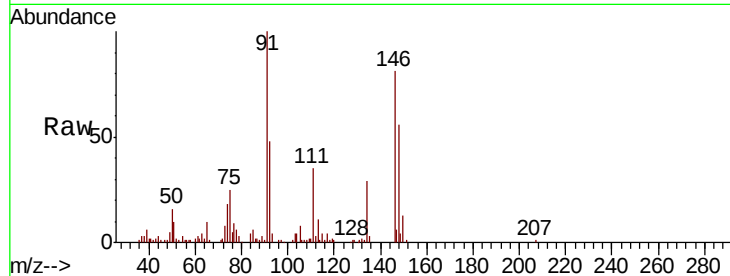
Tot Ion:146 Resp: 18748

Ion Ratio Lower Upper

146 100

111 42.6 20.6 61.9

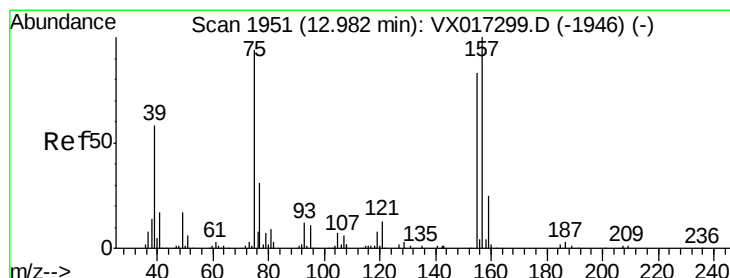
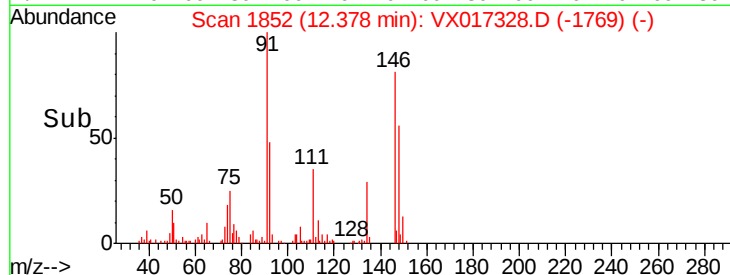
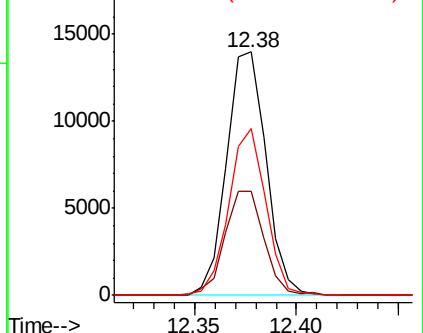
148 64.6 31.6 94.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 2.532 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX017328.D

Acq: 10 Jul 2020 12:15

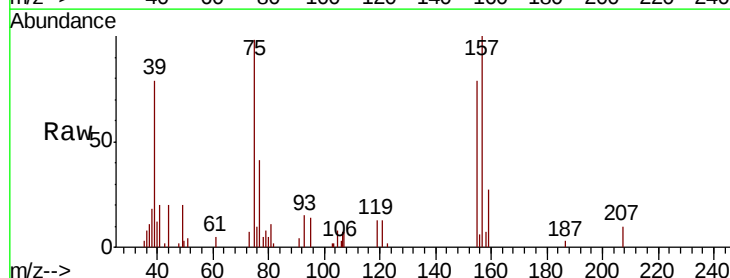
Tgt Ion: 75 Resp: 3255

Ion Ratio Lower Upper

75 100

155 84.8 73.4 110.0

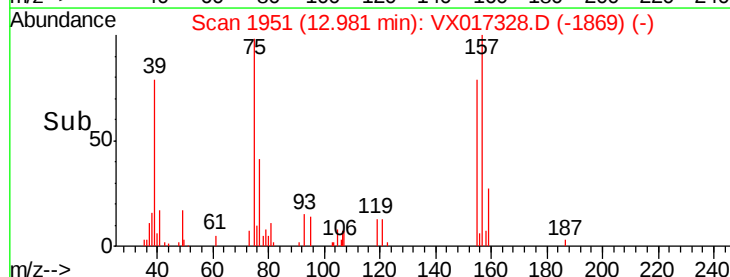
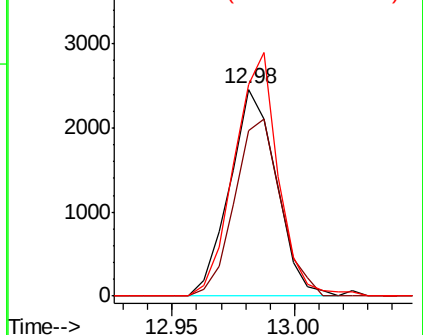
157 110.5 90.5 135.7

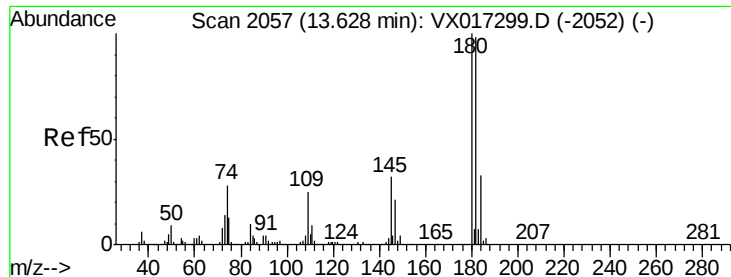


Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

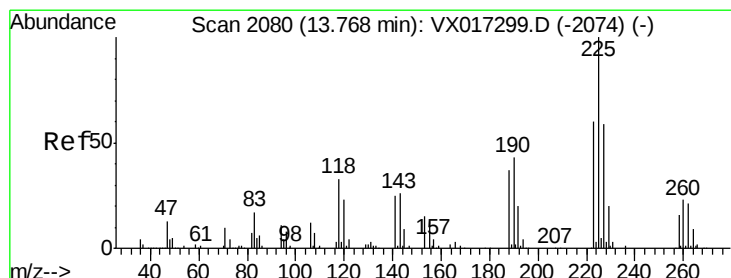
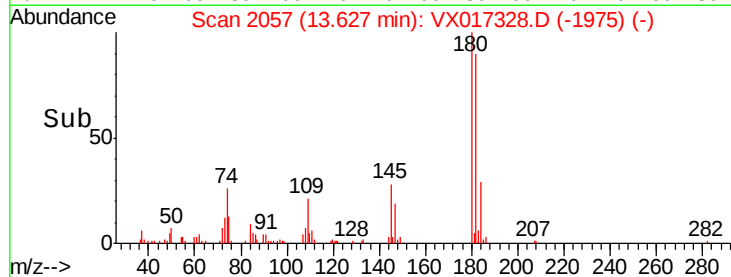
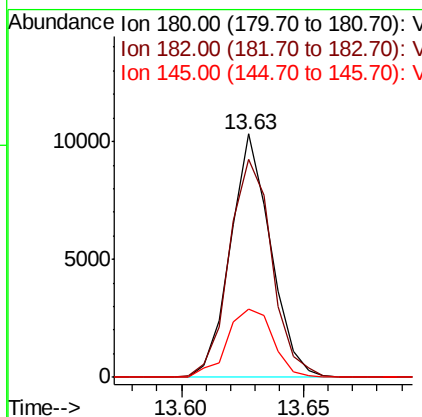
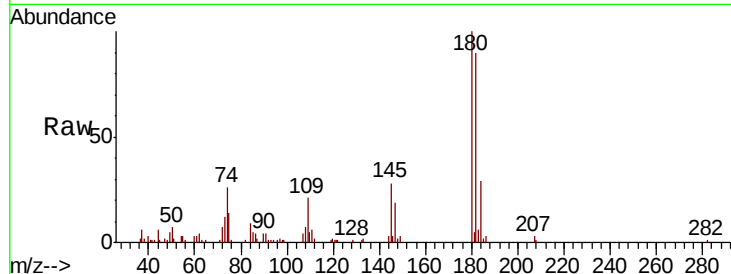




#89
 1,2,4-Trichlorobenzene
 Concen: 2.127 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

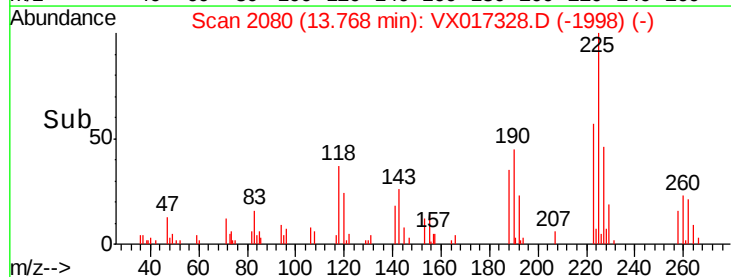
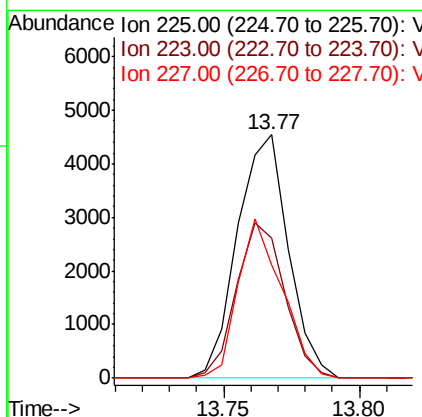
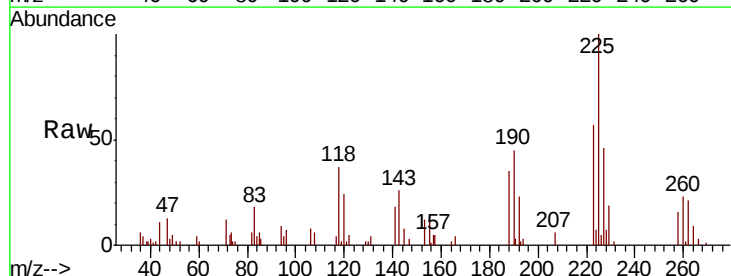
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

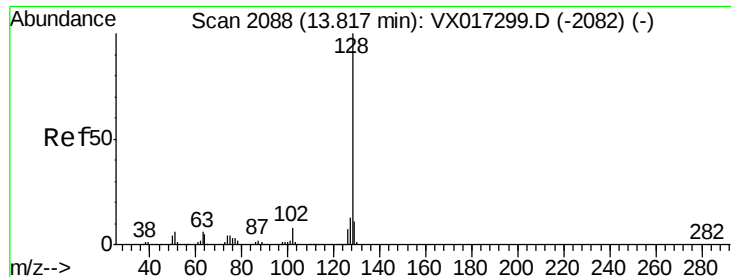
Tot Ion:180 Resp: 11796
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.8 116.8
 145 31.8 25.0 37.4



#90
 Hexachlorobutadiene
 Concen: 2.659 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX017328.D
 Acq: 10 Jul 2020 12:15

Tgt Ion:225 Resp: 5916
 Ion Ratio Lower Upper
 225 100
 223 60.4 0.0 129.0
 227 56.6 0.0 124.4

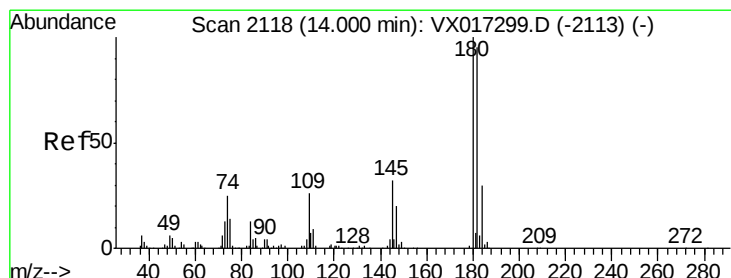
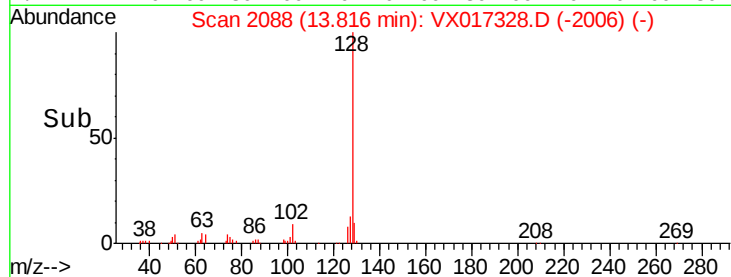
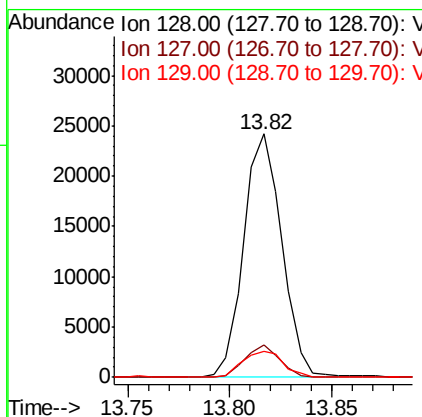
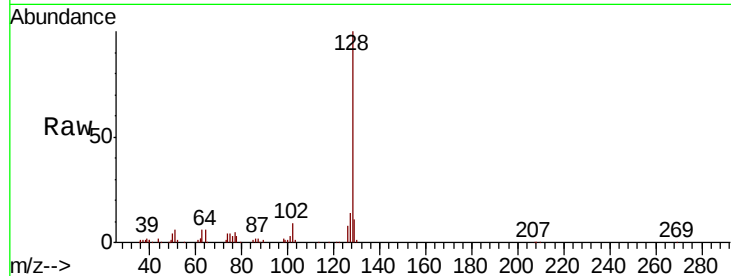




#91
Naphthalene
Concen: 1.851 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2020

Tot Ion:128 Resp: 31481
Ion Ratio Lower Upper
128 100
127 12.1 10.3 15.5
129 11.5 9.0 13.4



#92
1,2,3-Trichlorobenzene
Concen: 1.993 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX017328.D
Acq: 10 Jul 2020 12:15

Tgt Ion:180 Resp: 10993
Ion Ratio Lower Upper
180 100
182 98.1 0.0 185.6
145 34.3 0.0 63.0

