

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064327.D
 Acq On : 27 Oct 2020 15:41
 Operator : JC/MD
 Sample : L4214-09 .75PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 28 05:11:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 28 05:08:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	246708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	416038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	364915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	154618	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	196336	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
35) Dibromofluoromethane	7.55	113	135967	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.06	98	477793	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
62) 4-Bromofluorobenzene	12.38	95	179539	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1896	0.669	ug/l	82
3) Chloromethane	2.04	50	2190	0.714	ug/l	95
4) Vinyl Chloride	2.16	62	2328	0.785	ug/l #	86
5) Bromomethane	2.54	94	2262	1.181	ug/l #	72
6) Chloroethane	2.68	64	1681	0.949	ug/l #	80
7) Trichlorofluoromethane	2.98	101	3350	0.674	ug/l #	84
8) Diethyl Ether	3.37	74	959	0.610	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.71	101	1661	0.665	ug/l #	51
10) Methyl Iodide	3.90	142	849	0.255	ug/l #	7
11) Tert butyl alcohol	4.72	59	1151	2.000	ug/l #	86
12) 1,1-Dichloroethene	3.70	96	1711	0.726	ug/l	78
13) Acrolein	3.56	56	301	2.260	ug/l	83
14) Allyl chloride	4.28	41	3263	0.678	ug/l #	81
15) Acrylonitrile	4.95	53	3357	2.712	ug/l	91
16) Acetone	3.78	43	5346	3.698	ug/l	99
17) Carbon Disulfide	4.00	76	4869	0.698	ug/l	97
18) Methyl Acetate	4.28	43	1834	0.616	ug/l #	80
19) Methyl tert-butyl Ether	5.00	73	6102	0.674	ug/l	95
20) Methylene Chloride	4.50	84	1193	0.424	ug/l #	78
21) trans-1,2-Dichloroethene	5.00	96	913	0.347	ug/l	85
22) Diisopropyl ether	5.90	45	3764	0.400	ug/l #	66
23) Vinyl Acetate	5.85	43	20379	2.561	ug/l #	89
24) 1,1-Dichloroethane	5.79	63	3059	0.581	ug/l #	84
25) 2-Butanone	6.79	43	5764	2.896	ug/l	91
26) 2,2-Dichloropropane	6.76	77	1400	0.272	ug/l	86
27) cis-1,2-Dichloroethene	6.78	96	1339	0.445	ug/l #	51
28) Bromochloromethane	7.14	49	583	0.232	ug/l #	45
29) Tetrahydrofuran	7.17	42	2826	2.187	ug/l #	82
30) Chloroform	7.33	83	2186	0.389	ug/l	100
31) Cyclohexane	7.63	56	8420	1.830	ug/l #	54
32) 1,1,1-Trichloroethane	7.54	97	3517	0.652	ug/l #	50
36) 1,1-Dichloropropene	7.75	75	2749	0.655	ug/l #	65
37) Ethyl Acetate	6.89	43	941	0.222	ug/l #	71
38) Carbon Tetrachloride	7.74	117	3734	0.767	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	2617	0.629	ug/l	95
40) Benzene	8.00	78	7911	0.677	ug/l	94
41) Methacrylonitrile	7.13	41	811	0.385	ug/l #	48
42) 1,2-Dichloroethane	8.09	62	3963	0.785	ug/l	82
43) Isopropyl Acetate	8.13	43	4595	0.634	ug/l #	62
44) Trichloroethene	8.80	130	2070	0.676	ug/l	94
45) 1,2-Dichloropropane	9.08	63	1865	0.596	ug/l #	87
46) Dibromomethane	9.17	93	1316	0.601	ug/l	95
47) Bromodichloromethane	9.37	83	2869	0.591	ug/l #	86
48) Methyl methacrylate	9.16	41	2219	0.593	ug/l #	73
49) 1,4-Dioxane	9.16	88	674	12.225	ug/l #	22
51) 4-Methyl-2-Pentanone	9.96	43	12438	2.951	ug/l	96
52) Toluene	10.12	92	5263	0.714	ug/l	82
53) t-1,3-Dichloropropene	10.35	75	2982	0.581	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	2891	0.547	ug/l #	77
55) 1,1,2-Trichloroethane	10.54	97	1765	0.606	ug/l	94
56) Ethyl methacrylate	10.41	69	2621	0.595	ug/l #	85
57) 1,3-Dichloropropane	10.68	76	3292	0.663	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.66	63	6004	2.497	ug/l	95
59) 2-Hexanone	10.72	43	8439	2.719	ug/l	95
60) Dibromochloromethane	10.88	129	1820	0.529	ug/l	98
61) 1,2-Dibromoethane	10.98	107	1649	0.556	ug/l #	80
64) Tetrachloroethene	10.60	164	2684	0.895	ug/l #	76
65) Chlorobenzene	11.41	112	4837	0.654	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.49	131	2214	0.740	ug/l #	55
67) Ethyl Benzene	11.48	91	7620	0.554	ug/l	96
68) m/p-Xylenes	11.59	106	5553	1.089	ug/l	84
69) o-Xylene	11.92	106	2623	0.534	ug/l	73
70) Styrene	11.94	104	4759	0.591	ug/l	88
71) Bromoform	12.11	173	1593	0.679	ug/l #	76
73) Isopropylbenzene	12.23	105	7961	0.687	ug/l	99
74) N-amyl acetate	12.05	43	2825	0.554	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.48	83	2468	0.733	ug/l #	88
76) 1,2,3-Trichloropropane	12.53	75	3433	0.927	ug/l #	100
77) Bromobenzene	12.50	156	2008	0.708	ug/l	85
78) n-propylbenzene	12.57	91	9248	0.705	ug/l	94
79) 2-Chlorotoluene	12.65	91	6353	0.758	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	6865	0.701	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.38	75	100151	77.913	ug/l #	8
82) 4-Chlorotoluene	12.75	91	6848	0.802	ug/l	97
83) tert-Butylbenzene	12.97	119	5767	0.717	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	6604	0.674	ug/l	99
85) sec-Butylbenzene	13.14	105	7134	0.686	ug/l	99
86) p-Isopropyltoluene	13.26	119	5863	0.625	ug/l	94
87) 1,3-Dichlorobenzene	13.25	146	2851	0.574	ug/l	92
88) 1,4-Dichlorobenzene	13.25	146	2851	0.564	ug/l	90
89) n-Butylbenzene	13.59	91	4962	0.601	ug/l	91
90) Hexachloroethane	13.84	117	1113	0.632	ug/l	83
91) 1,2-Dichlorobenzene	13.63	146	3137	0.636	ug/l	84
92) 1,2-Dibromo-3-Chloropropan	14.24	75	562	0.673	ug/l	73

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Quant Title : SW846 8260
QLast Update : Wed Oct 28 05:08:53 2020
Response via : Initial Calibration

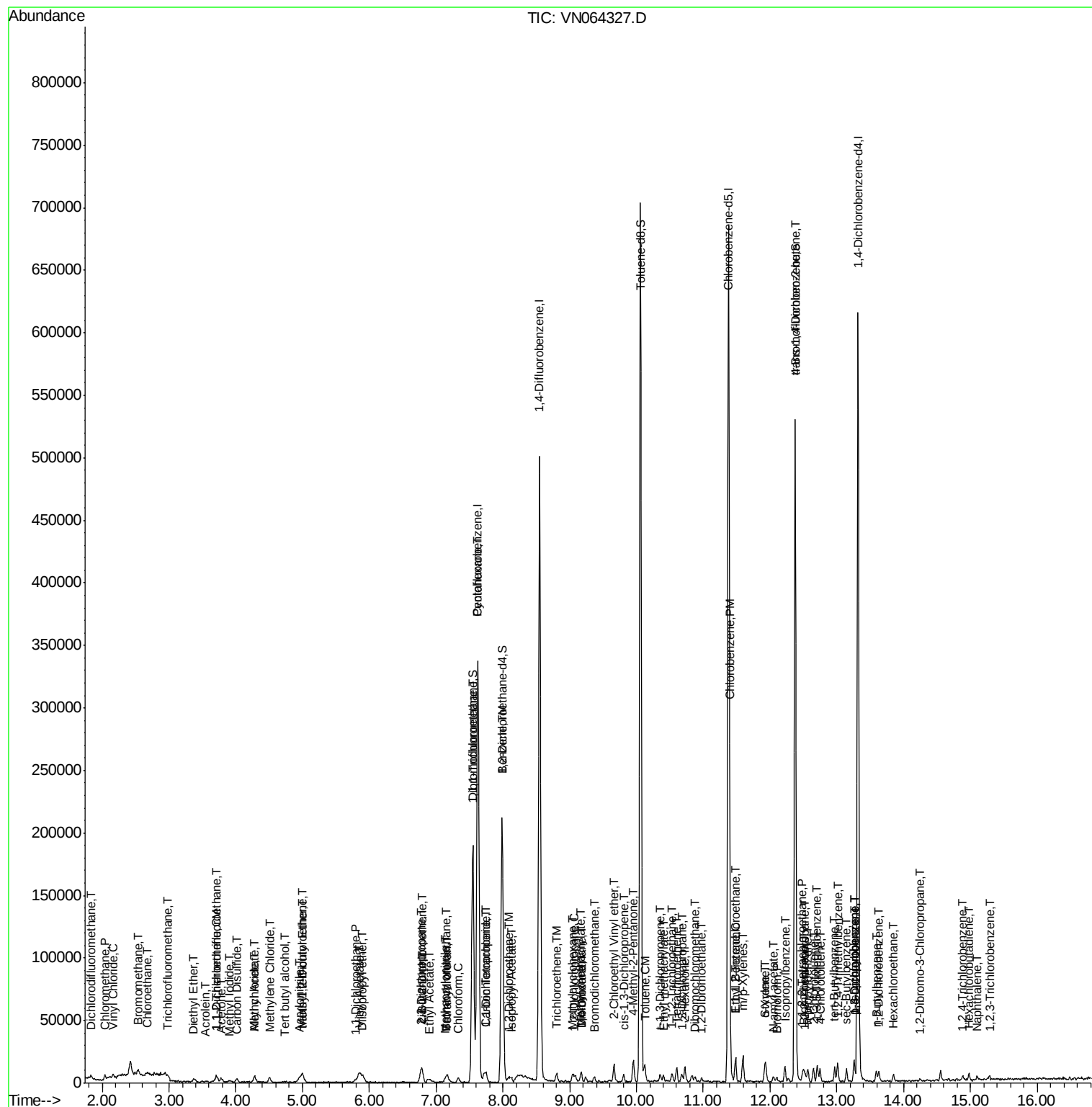
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	1366	0.554	ug/l #	89
94) Hexachlorobutadiene	14.98	225	1227	0.810	ug/l	89
95) Naphthalene	15.11	128	3303	0.434	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.29	180	1423	0.596	ug/l	84

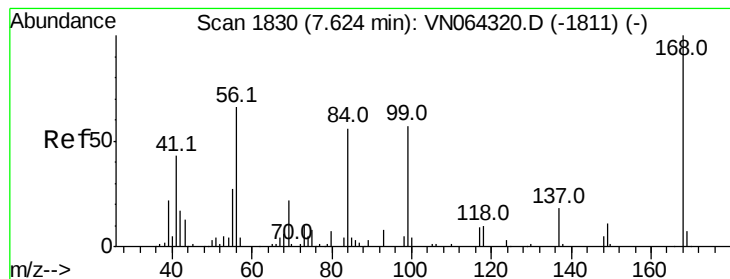
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

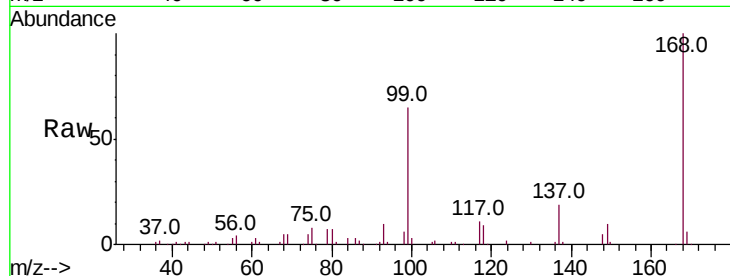
MDL-WATER-03-QT4-2020

Tot Ion:168 Resp: 246708

Ion Ratio Lower Upper

168 100

99 65.5 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): VN064327.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064327.D (-1737) (-)

7.63

120000

100000

80000

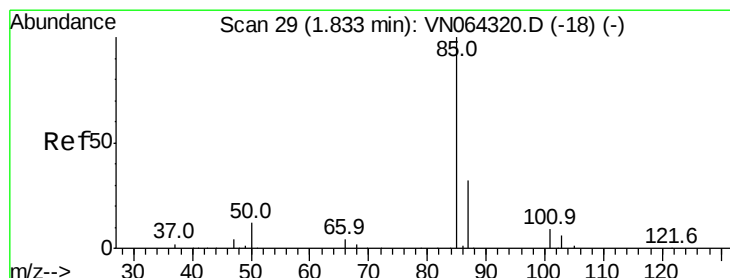
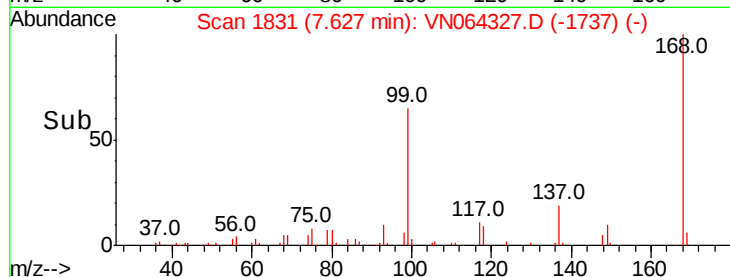
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.669 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064327.D

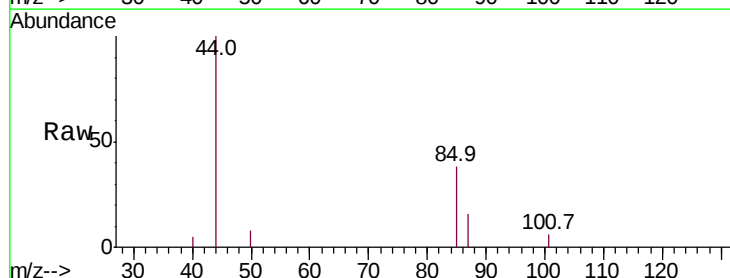
Acq: 27 Oct 2020 15:41

Tgt Ion: 85 Resp: 1896

Ion Ratio Lower Upper

85 100

87 42.0 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN064327.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN064327.D (-1) (-)

1.83

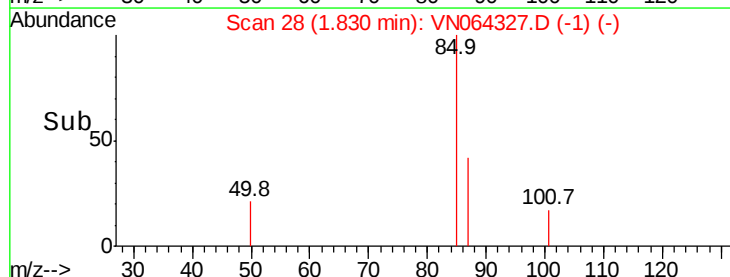
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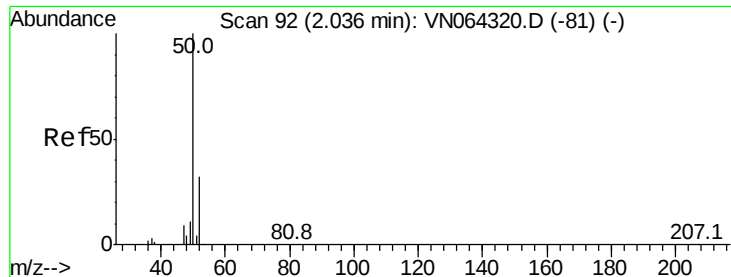
1000

500

0

Time-->





#3

Chloromethane

Concen: 0.714 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

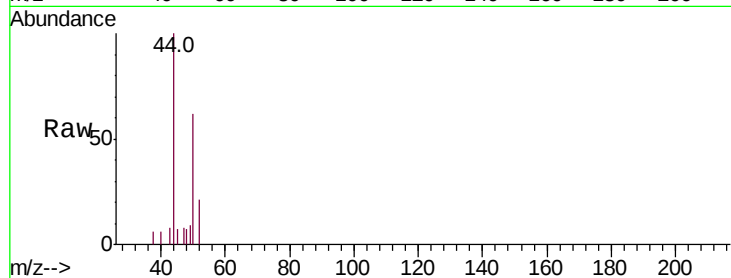
MDL-WATER-03-QT4-2020

Tot Ion: 50 Resp: 2190

Ion Ratio Lower Upper

50 100

52 34.6 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

1500

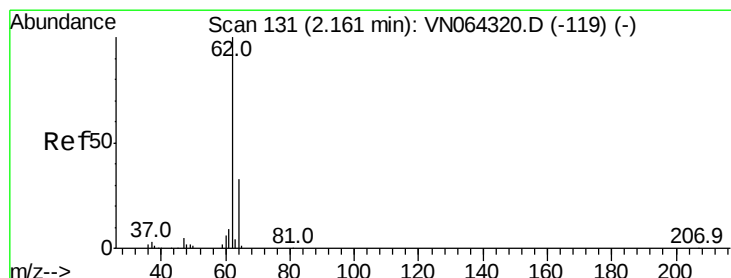
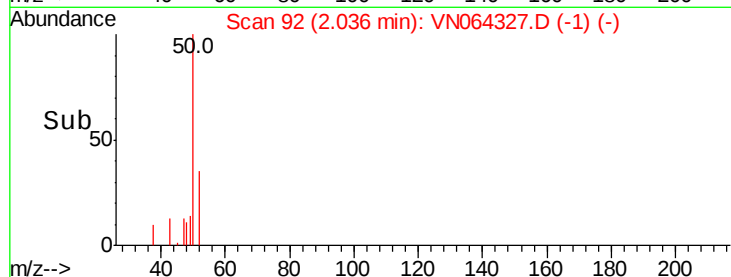
1000

500

0

Time-->

2.00 2.02 2.04 2.06



#4

Vinyl Chloride

Concen: 0.785 ug/l

RT: 2.16 min Scan# 131

Delta R.T. 0.00 min

Lab File: VN064327.D

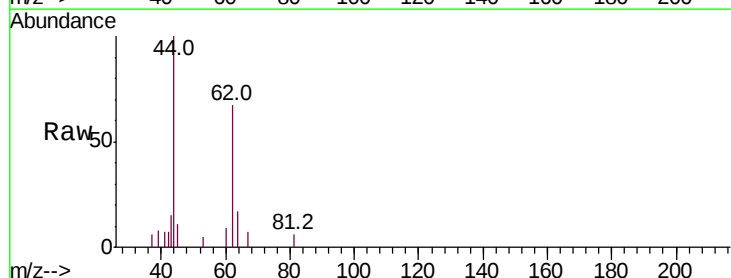
Acq: 27 Oct 2020 15:41

Tgt Ion: 62 Resp: 2328

Ion Ratio Lower Upper

62 100

64 24.9 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

1500

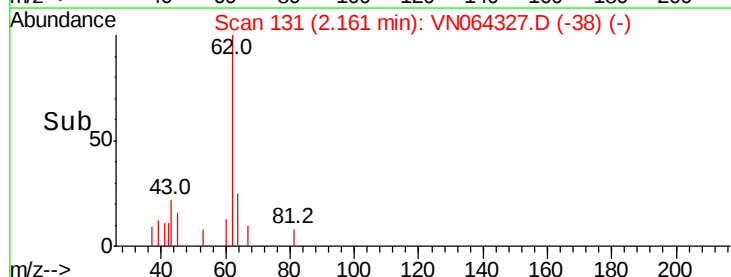
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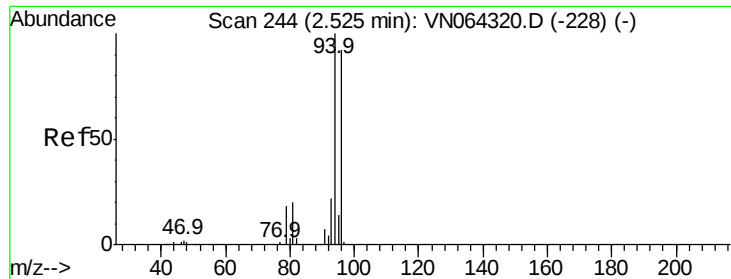
500

0

Time-->

2.12 2.14 2.16 2.18 2.20





#5

Bromomethane

Concen: 1.181 ug/l

RT: 2.54 min Scan# 250

Delta R.T. 0.02 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

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ClientSampleId :

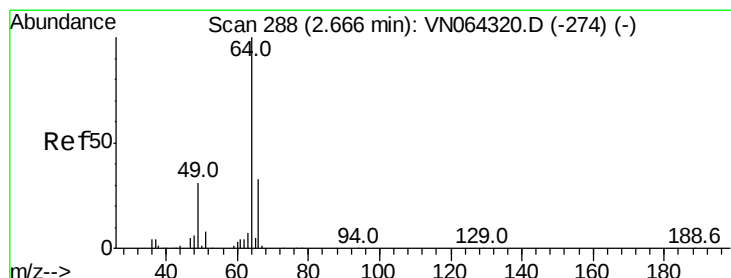
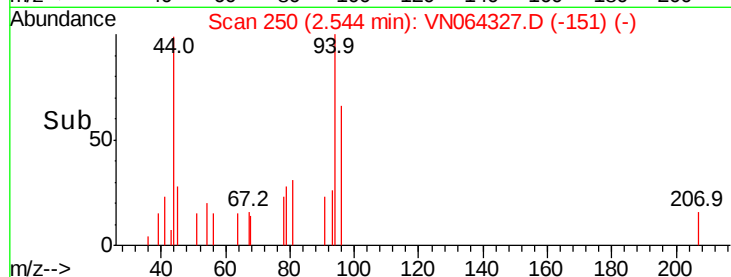
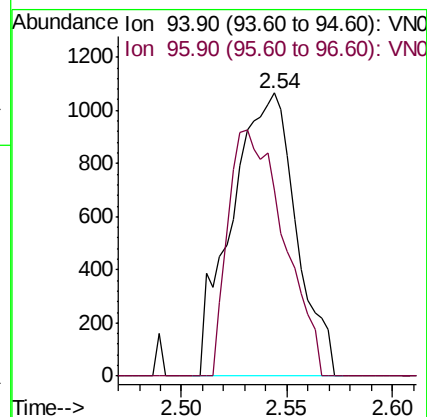
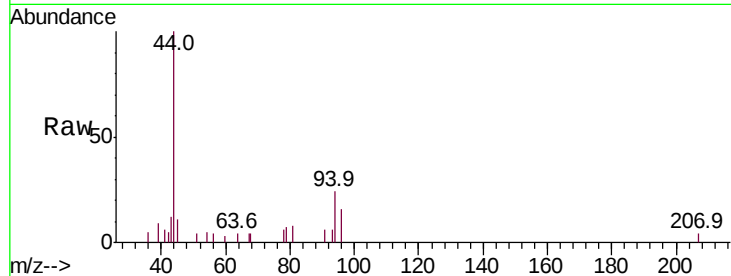
MDL-WATER-03-QT4-2020

Tot Ion: 94 Resp: 2262

Ion Ratio Lower Upper

94 100

96 65.5 73.6 110.4#



#6

Chloroethane

Concen: 0.949 ug/l

RT: 2.68 min Scan# 293

Delta R.T. 0.02 min

Lab File: VN064327.D

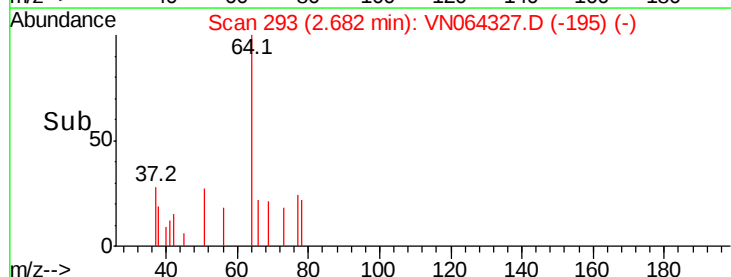
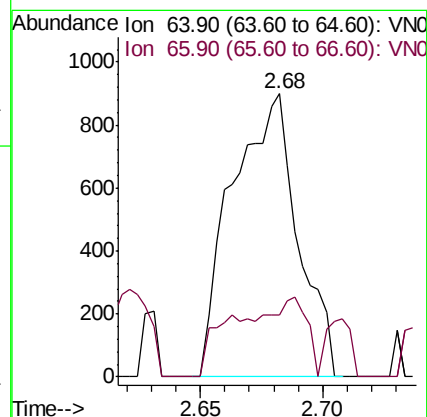
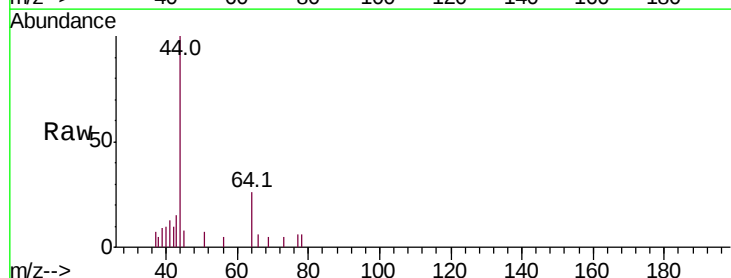
Acq: 27 Oct 2020 15:41

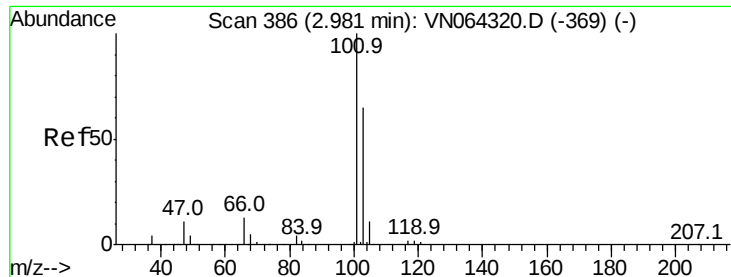
Tgt Ion: 64 Resp: 1681

Ion Ratio Lower Upper

64 100

66 21.7 26.5 39.7#



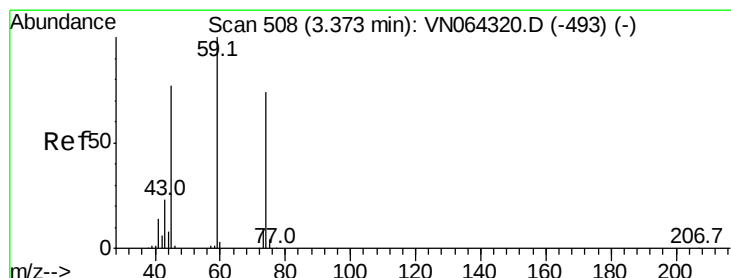
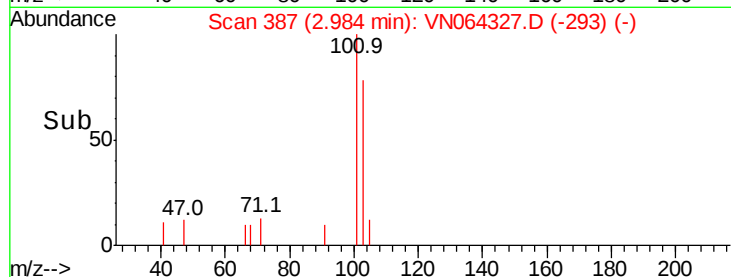
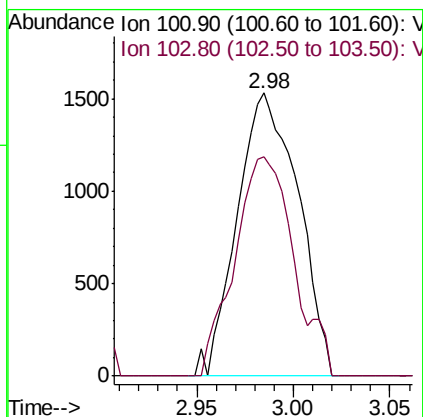
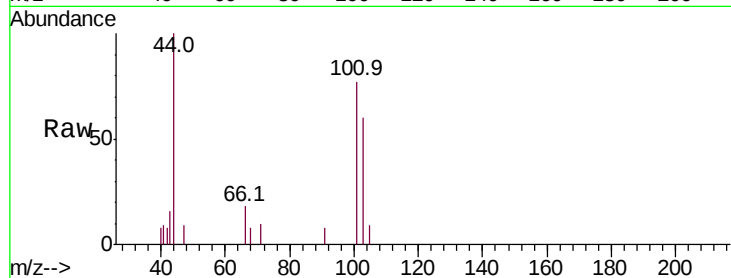


#7

Trichlorofluoromethane
 Concen: 0.674 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

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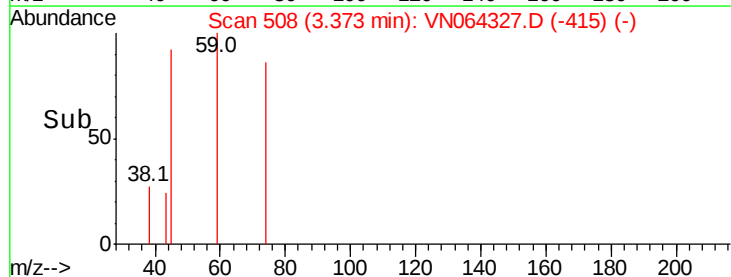
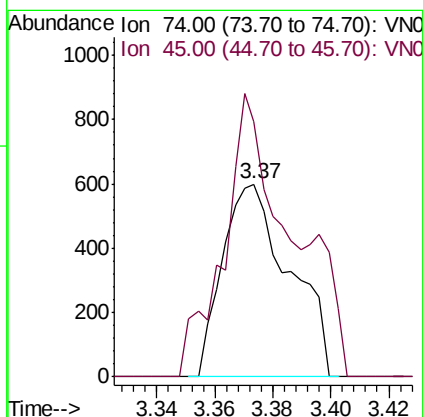
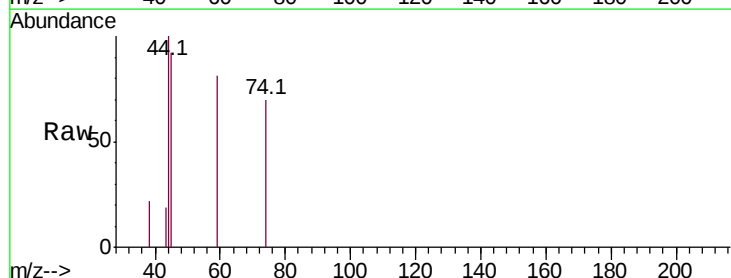
Tot Ion:101 Resp: 3350
 Ion Ratio Lower Upper
 101 100
 103 77.5 51.7 77.5#

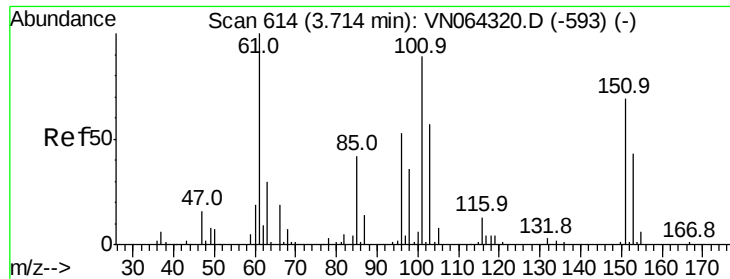


#8

Diethyl Ether
 Concen: 0.610 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

Tgt Ion: 74 Resp: 959
 Ion Ratio Lower Upper
 74 100
 45 119.5 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.665 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

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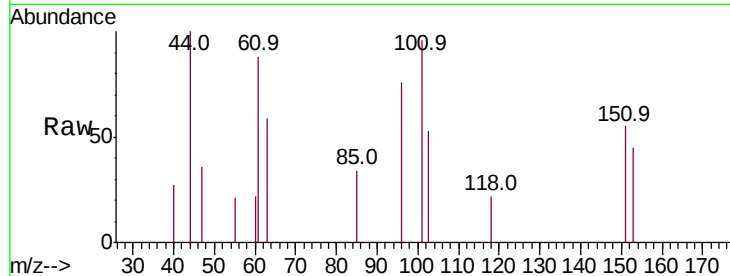
Tot Ion:101 Resp: 1661

Ion Ratio Lower Upper

101 100

85 17.0 38.4 57.6#

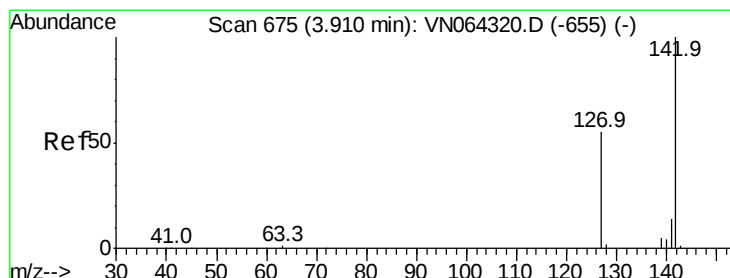
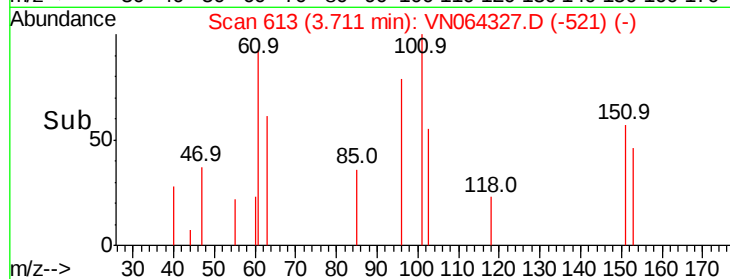
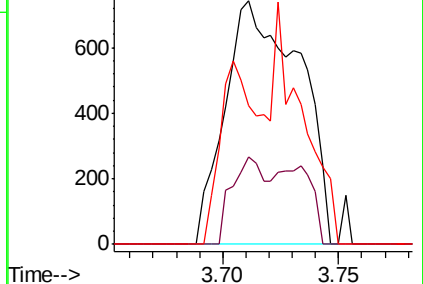
151 32.7 62.0 93.0#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.255 ug/l

RT: 3.90 min Scan# 671

Delta R.T. -0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

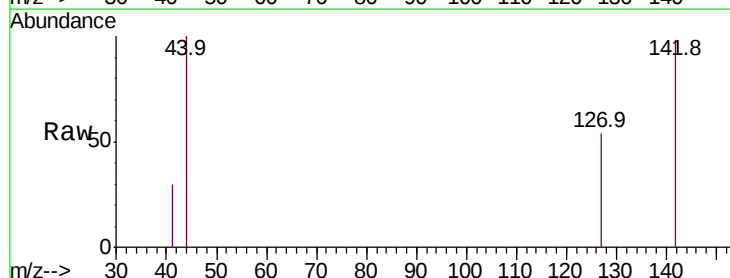
Tgt Ion:142 Resp: 849

Ion Ratio Lower Upper

142 100

127 131.6 43.3 64.9#

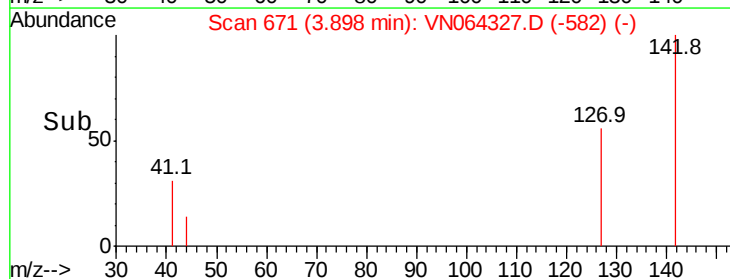
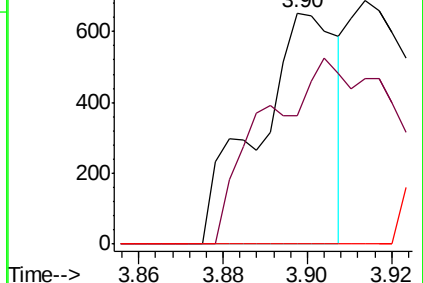
141 0.0 11.5 17.3#

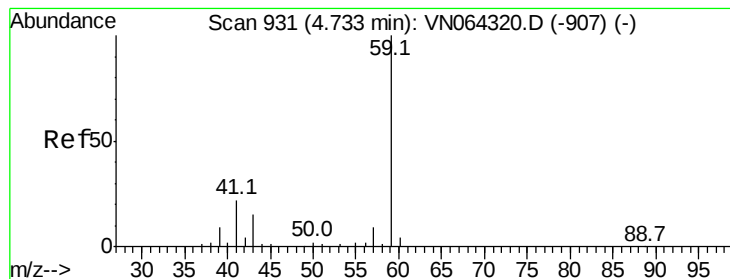


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



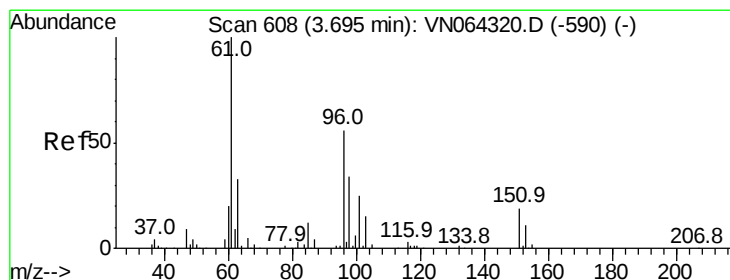
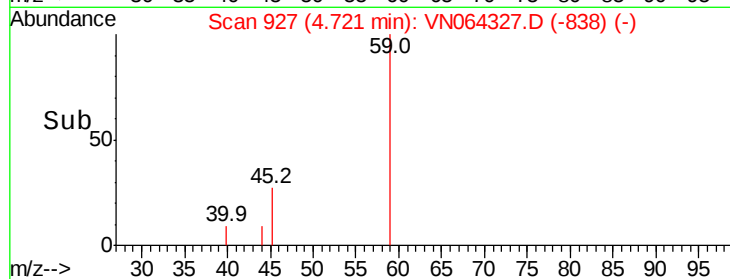
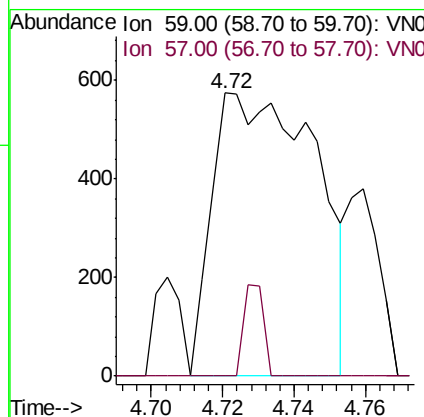
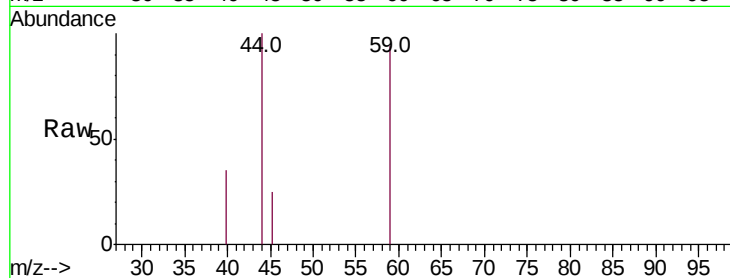


#11

Tert butyl alcohol
 Concen: 2.000 ug/l
 RT: 4.72 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

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

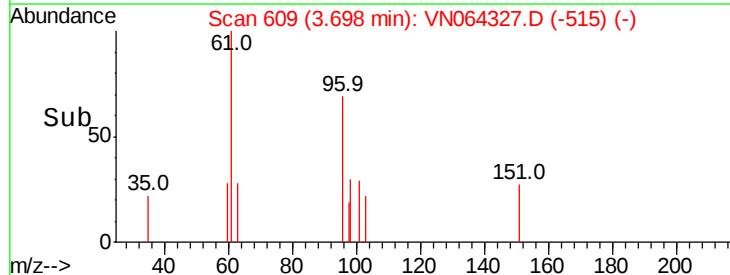
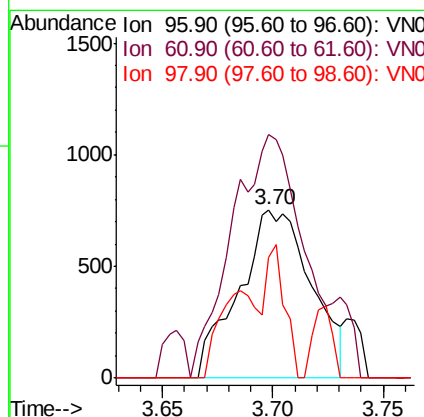
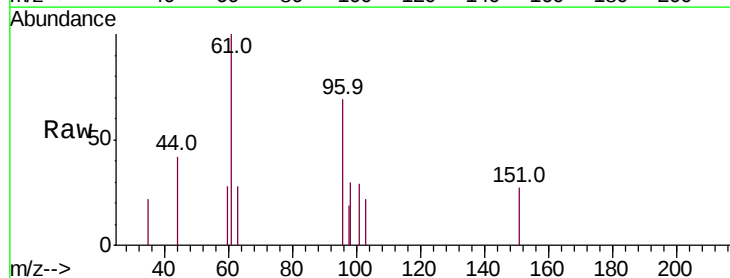
Tot Ion: 59 Resp: 1151
 Ion Ratio Lower Upper
 59 100
 57 6.2 9.4 14.0#

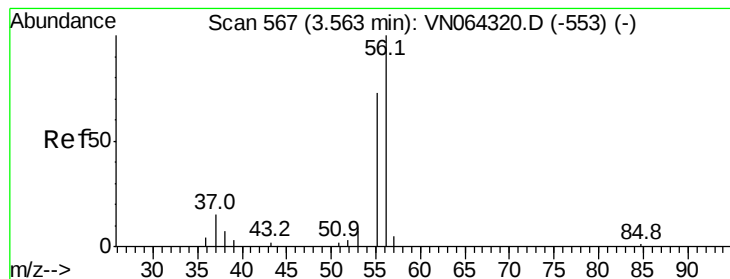


#12

1,1-Dichloroethene
 Concen: 0.726 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

Tgt Ion: 96 Resp: 1711
 Ion Ratio Lower Upper
 96 100
 61 144.8 143.6 215.4
 98 71.4 48.6 73.0





#13

Acrolein

Concen: 2.260 ug/l

RT: 3.56 min Scan# 565

Delta R.T. -0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

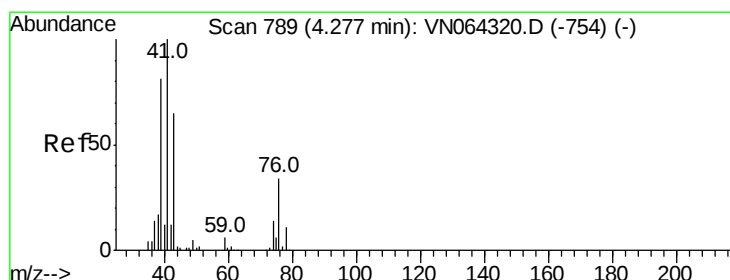
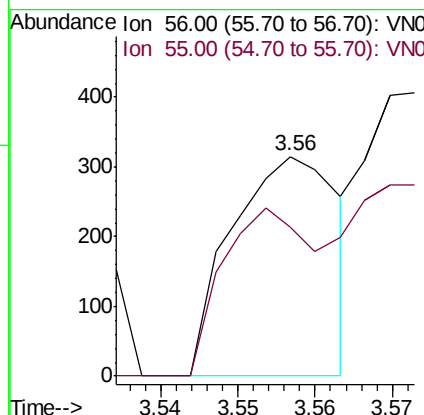
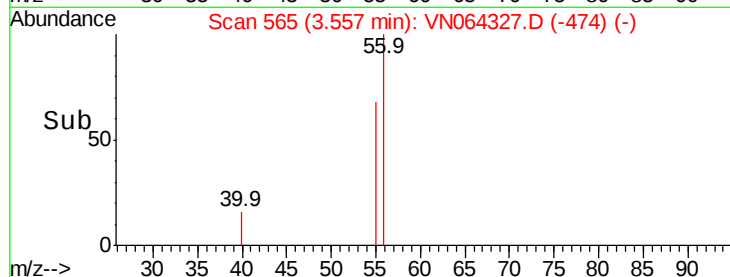
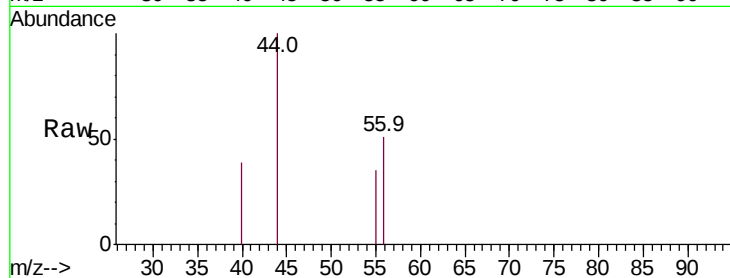
MDL-WATER-03-QT4-2020

Tot Ion: 56 Resp: 301

Ion Ratio Lower Upper

56 100

55 63.5 62.6 94.0



#14

Allyl chloride

Concen: 0.678 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

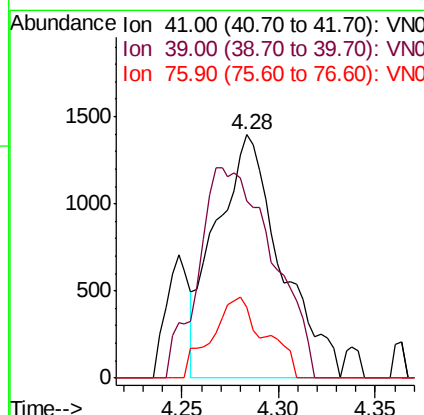
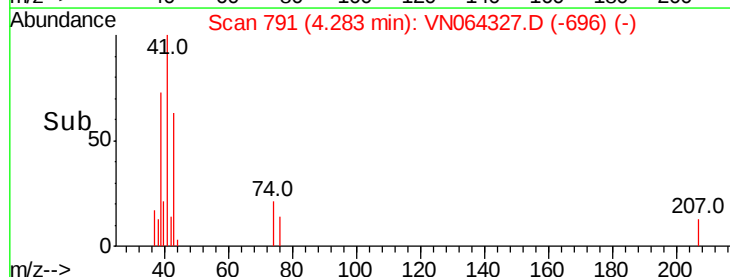
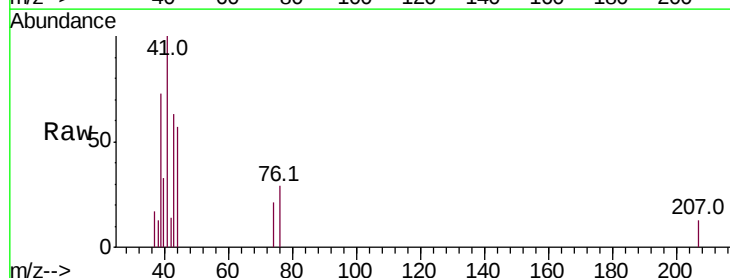
Tgt Ion: 41 Resp: 3263

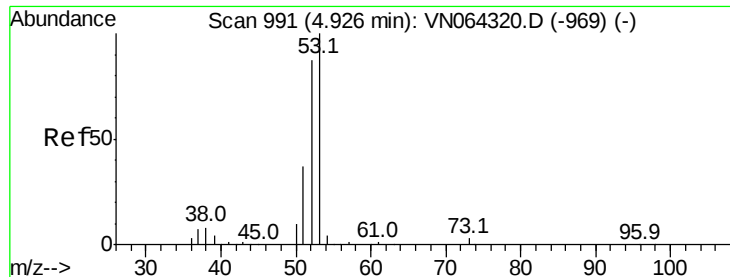
Ion Ratio Lower Upper

41 100

39 98.4 61.7 92.5#

76 27.2 24.0 36.0





#15

Acrylonitrile

Concen: 2.712 ug/l

RT: 4.95 min Scan# 998

Delta R.T. 0.02 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

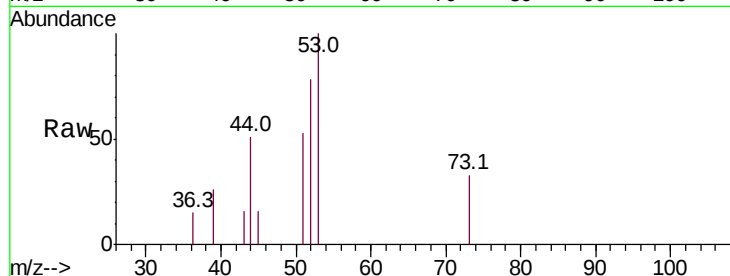
Tot Ion: 53 Resp: 3357

Ion Ratio Lower Upper

53 100

52 90.5 65.9 98.9

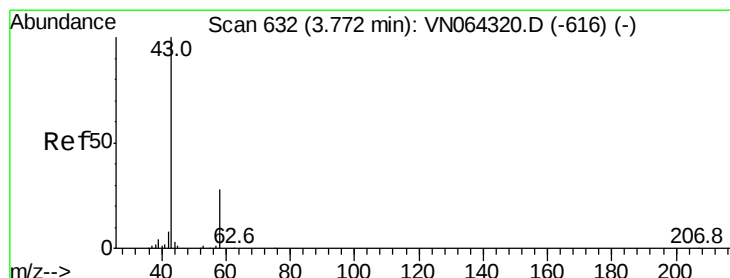
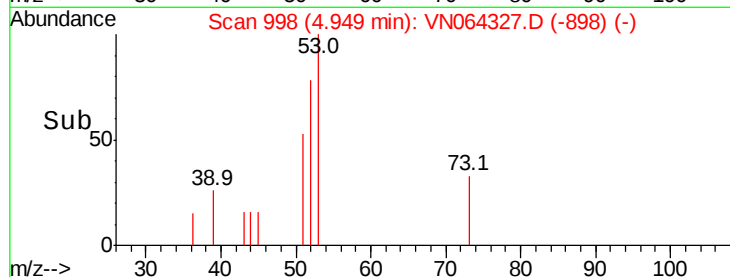
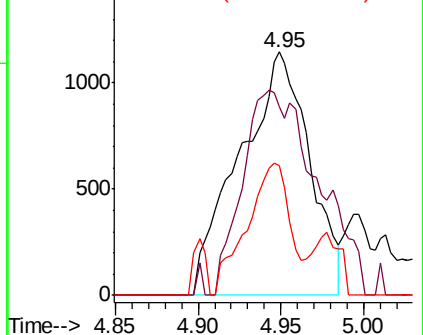
51 33.3 30.4 45.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 3.698 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064327.D

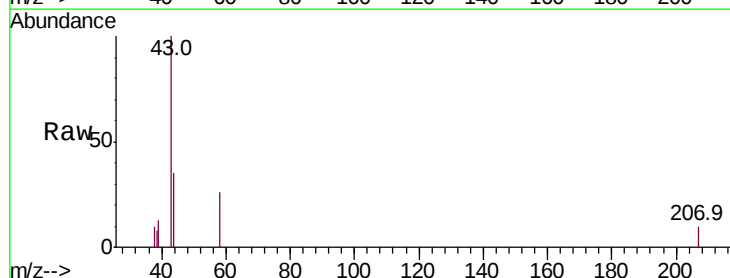
Acq: 27 Oct 2020 15:41

Tgt Ion: 43 Resp: 5346

Ion Ratio Lower Upper

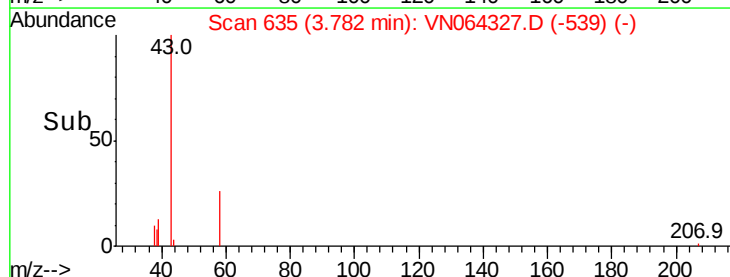
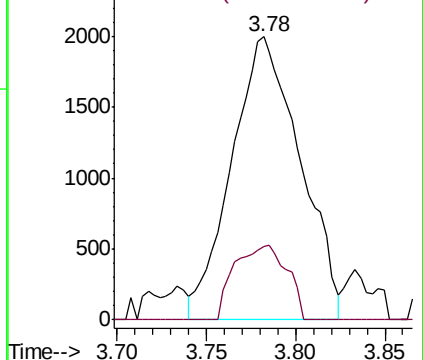
43 100

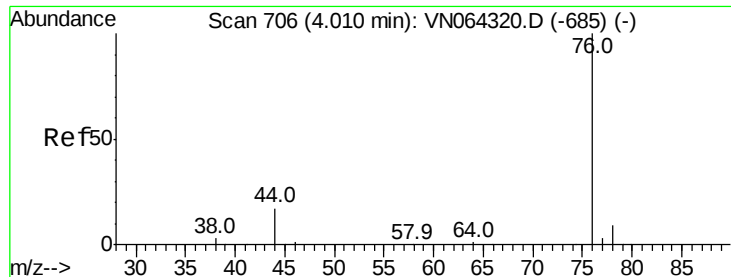
58 28.1 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.698 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

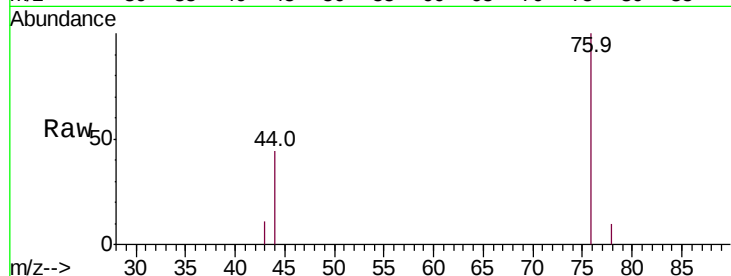
MDL-WATER-03-QT4-2020

Tot Ion: 76 Resp: 4869

Ion Ratio Lower Upper

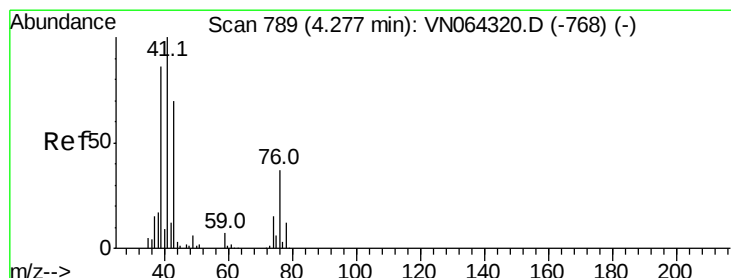
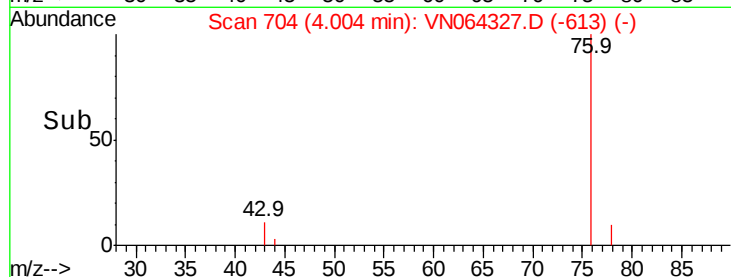
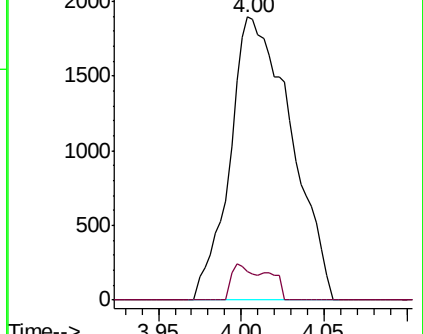
76 100

78 10.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.616 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN064327.D

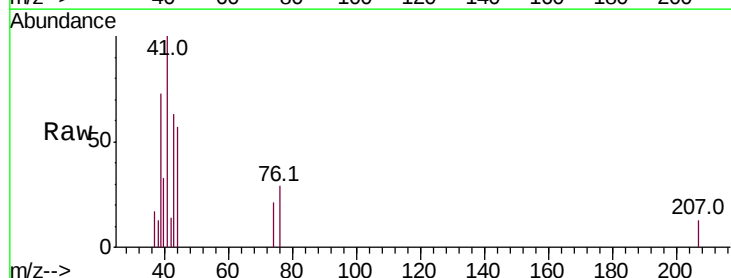
Acq: 27 Oct 2020 15:41

Tgt Ion: 43 Resp: 1834

Ion Ratio Lower Upper

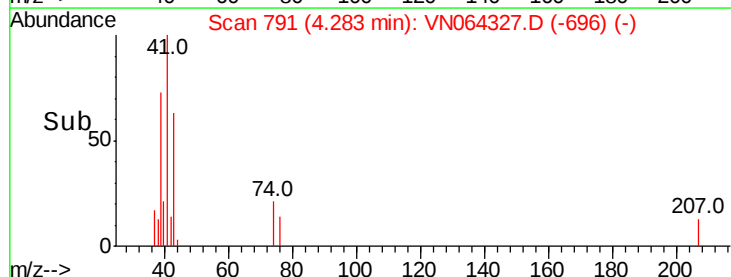
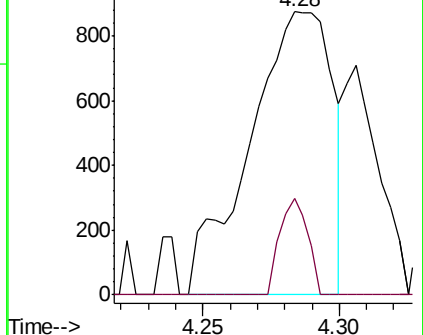
43 100

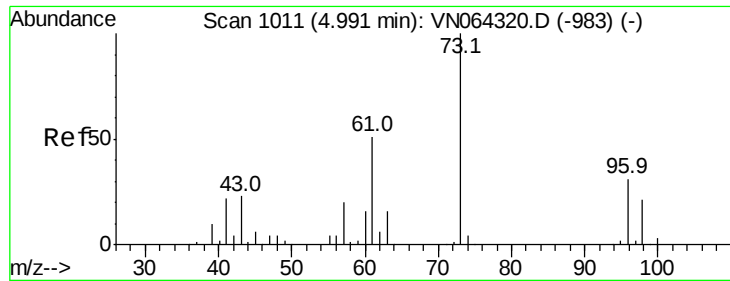
74 11.7 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

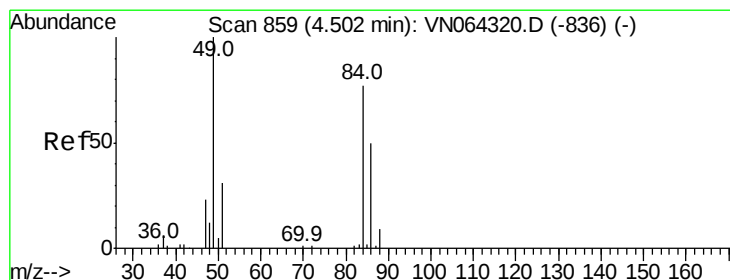
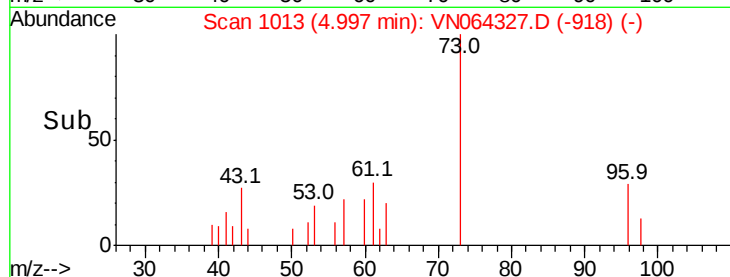
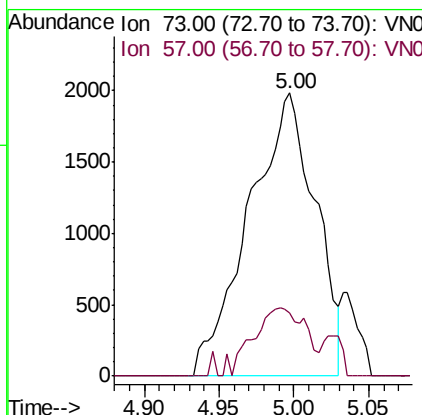
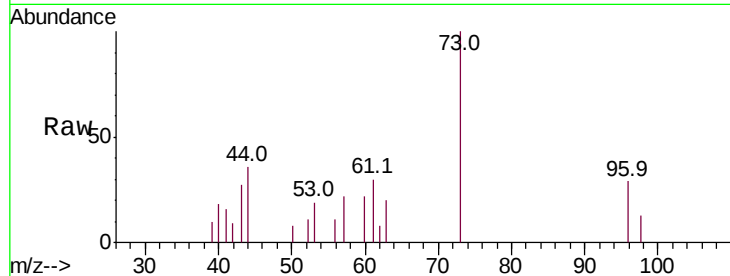




#19
Methvl tert-butvl Ether
Concen: 0.674 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

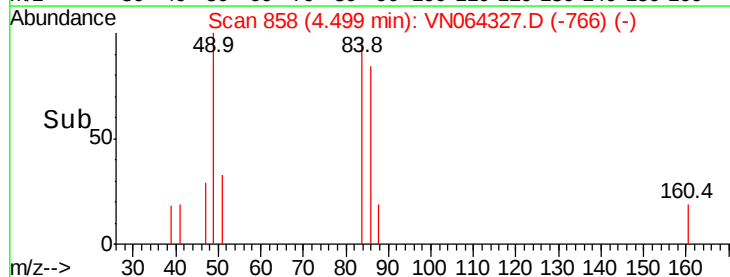
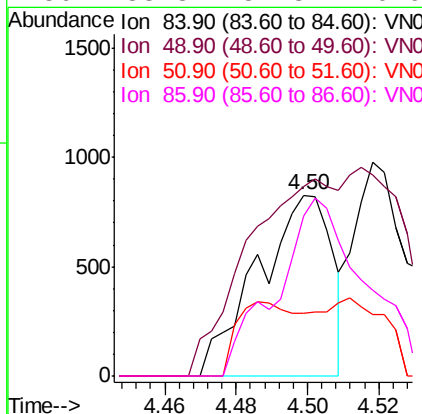
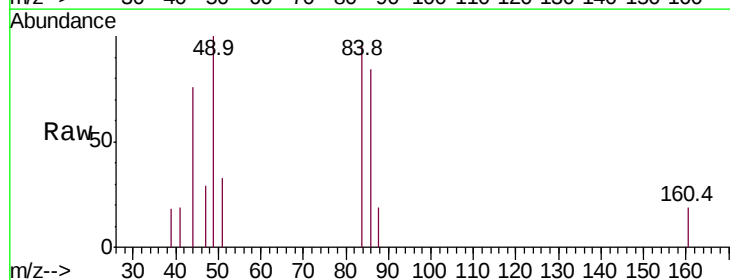
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

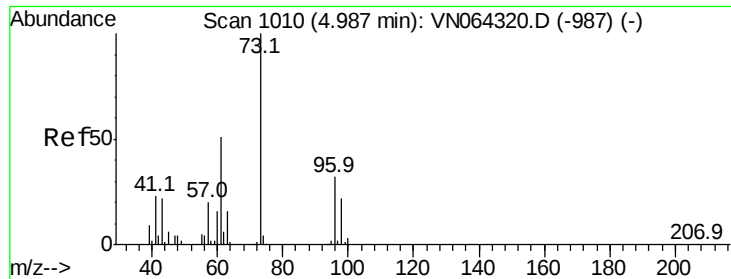
Tot Ion: 73 Resp: 6102
Ion Ratio Lower Upper
73 100
57 22.2 16.1 24.1



#20
Methylene Chloride
Concen: 0.424 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

Tgt Ion: 84 Resp: 1193
Ion Ratio Lower Upper
84 100
49 104.6 103.6 155.4
51 34.7 31.8 47.8
86 88.3 51.3 76.9#

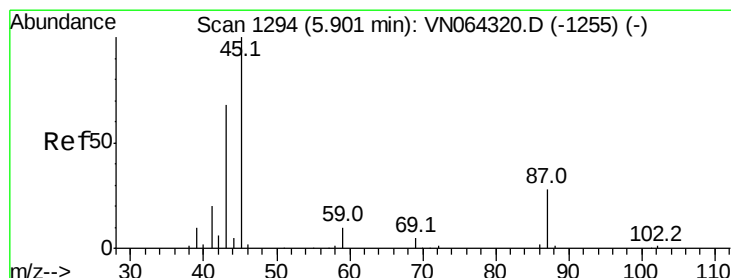
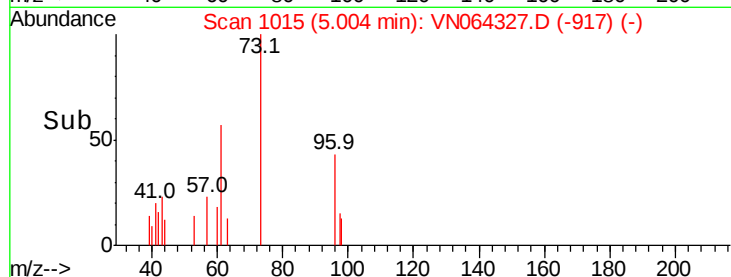
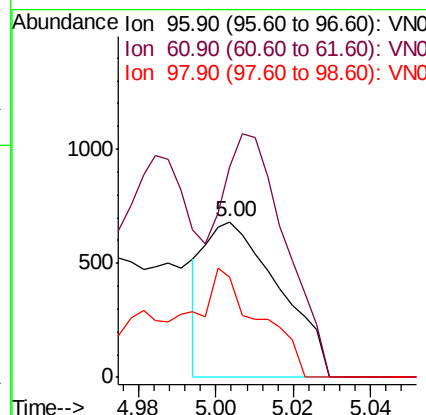
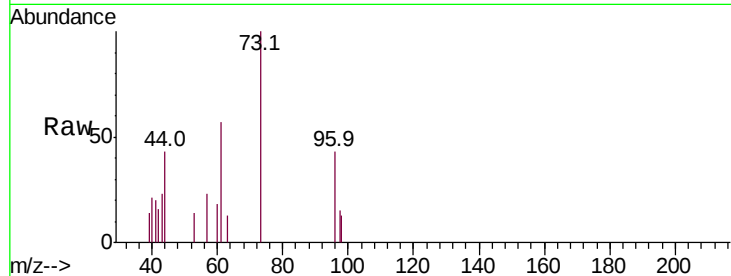




#21
trans-1,2-Dichloroethene
Concen: 0.347 ug/l
RT: 5.00 min Scan# 1015
Delta R.T. 0.02 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

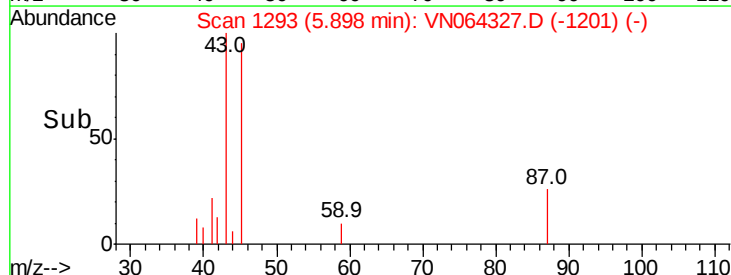
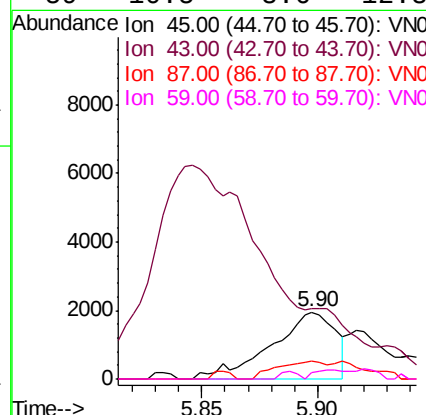
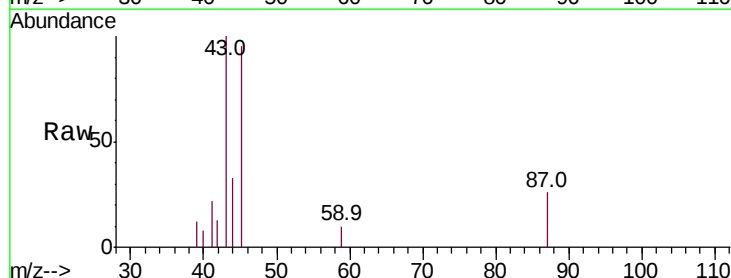
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

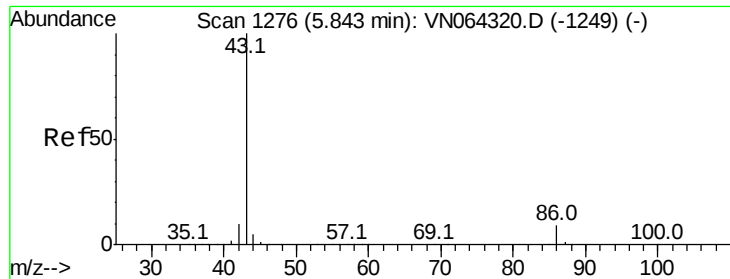
Tot Ion: 96 Resp: 913
Ion Ratio Lower Upper
96 100
61 135.0 128.2 192.2
98 64.6 56.1 84.1



#22
Diisopropyl ether
Concen: 0.400 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

Tgt Ion: 45 Resp: 3764
Ion Ratio Lower Upper
45 100
43 25.4 54.6 82.0#
87 27.2 22.6 33.8
59 10.5 8.6 12.8





#23

Vinyl Acetate

Concen: 2.561 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

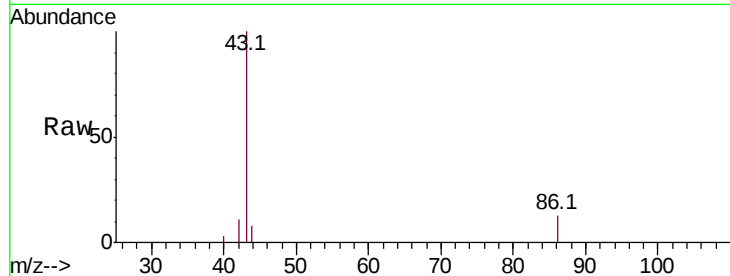
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 20379

Ion Ratio Lower Upper

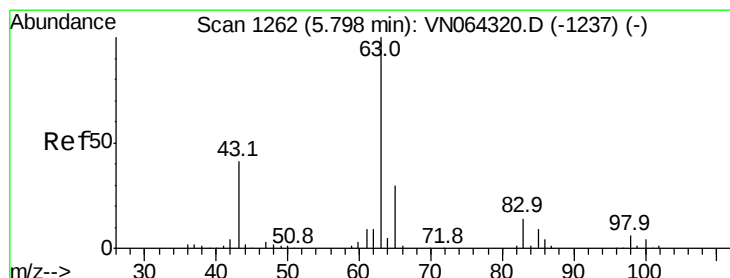
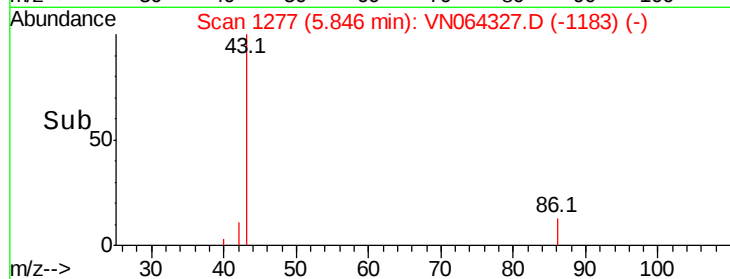
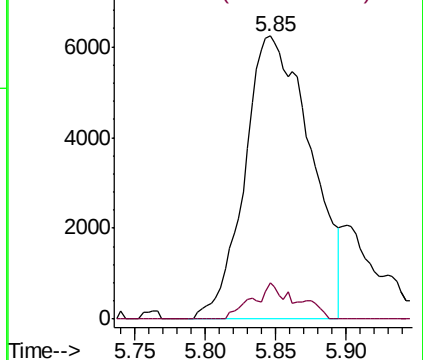
43 100

86 13.0 7.3 10.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 0.581 ug/l

RT: 5.79 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

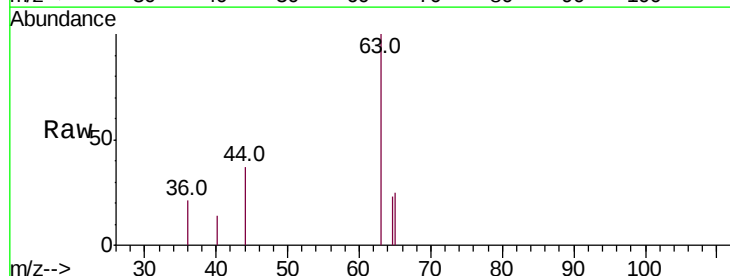
Tgt Ion: 63 Resp: 3059

Ion Ratio Lower Upper

63 100

98 0.0 3.1 9.4#

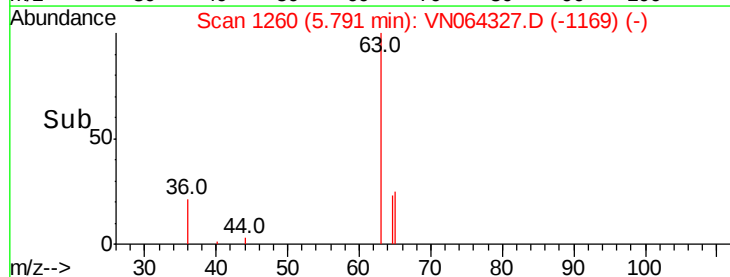
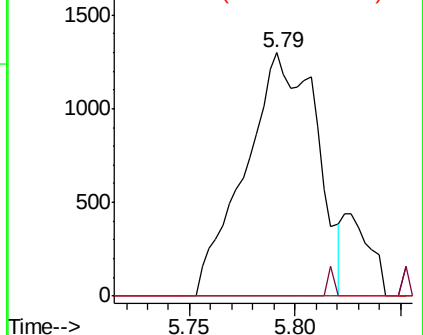
100 0.0 2.0 5.8#

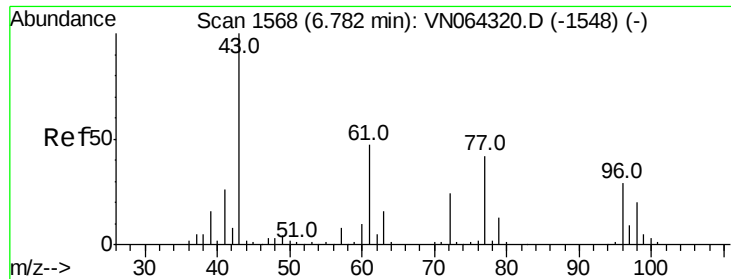


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

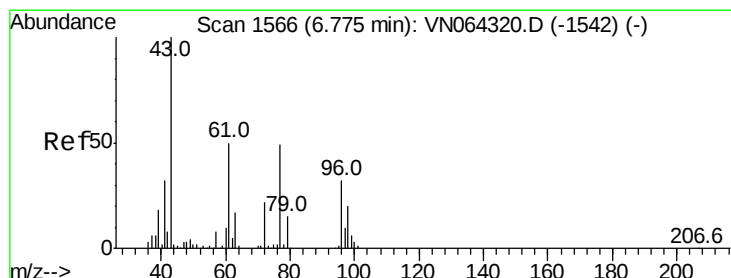
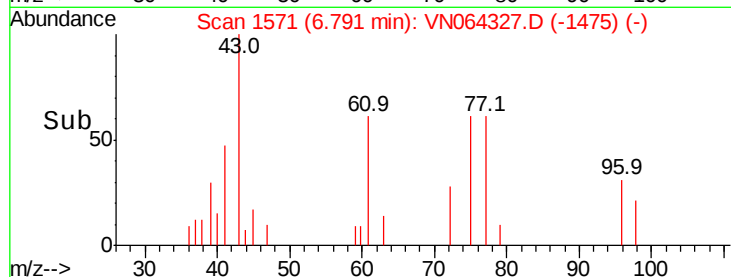
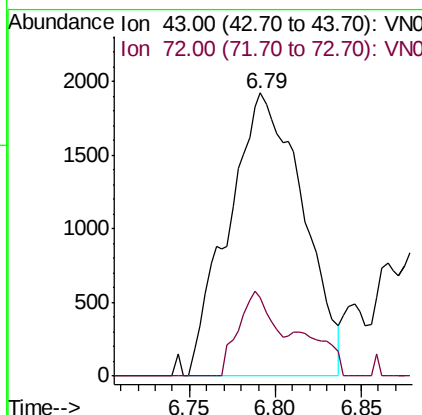
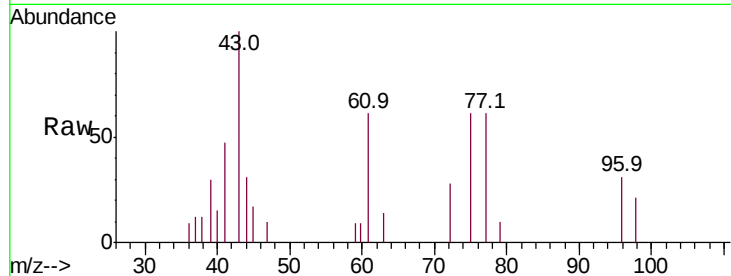




#25
2-Butanone
Concen: 2.896 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

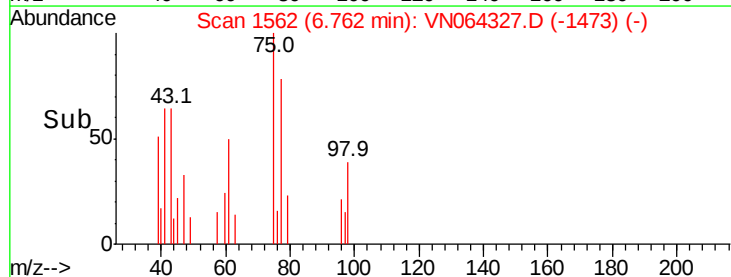
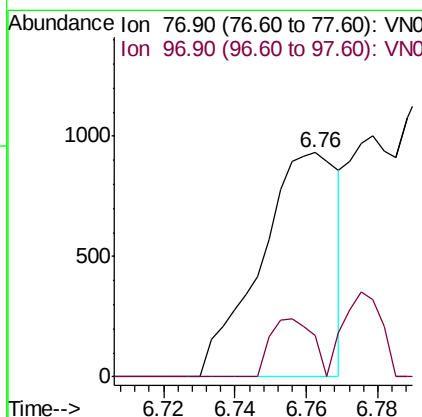
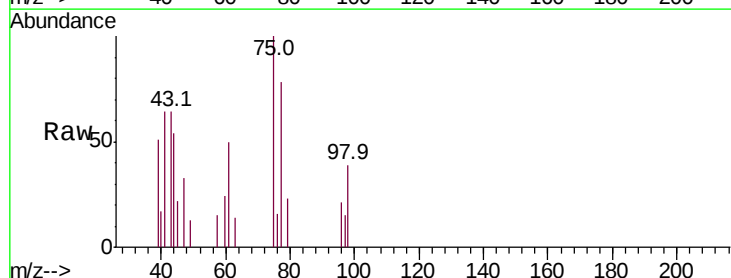
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

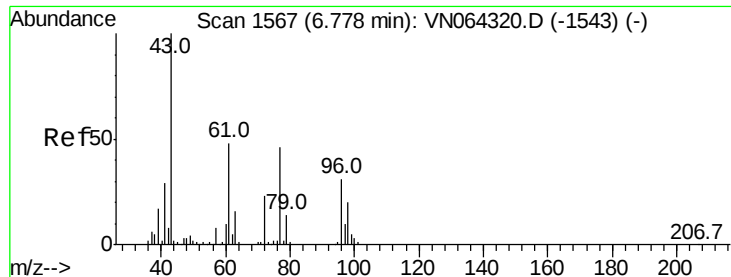
Tot Ion: 43 Resp: 5764
Ion Ratio Lower Upper
43 100
72 27.9 18.8 28.2



#26
2,2-Dichloropropane
Concen: 0.272 ug/l
RT: 6.76 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

Tgt Ion: 77 Resp: 1400
Ion Ratio Lower Upper
77 100
97 14.1 10.2 30.6

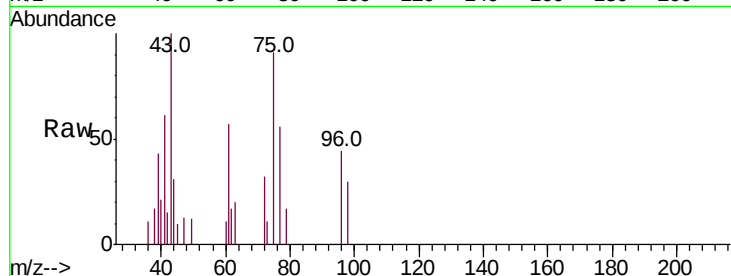




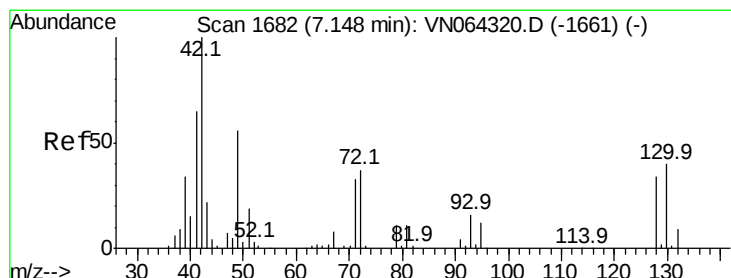
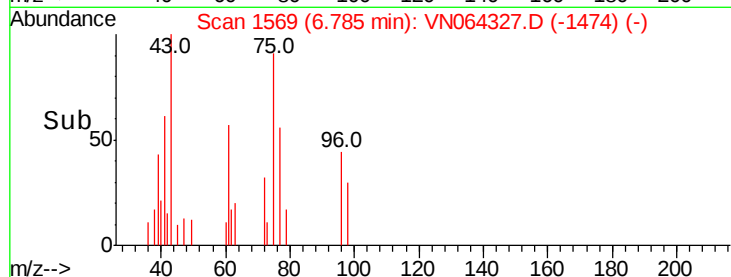
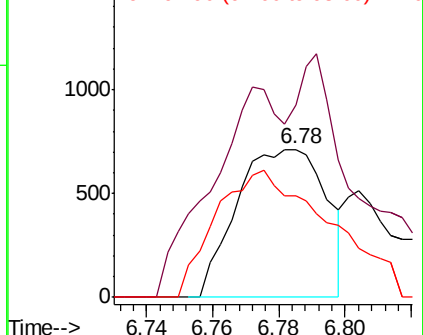
#27
 cis-1,2-Dichloroethene
 Concen: 0.445 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

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

Tot Ion: 96 Resp: 1339
 Ion Ratio Lower Upper
 96 100
 61 115.2 0.0 325.0
 98 0.0 0.0 128.4

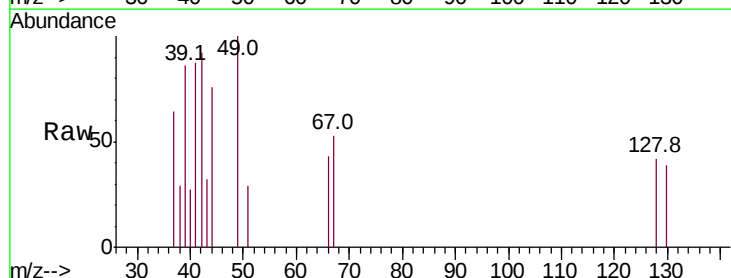


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

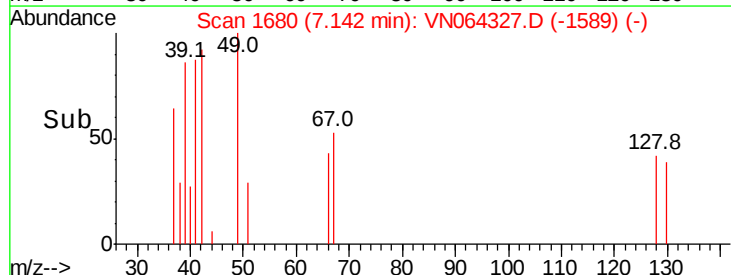
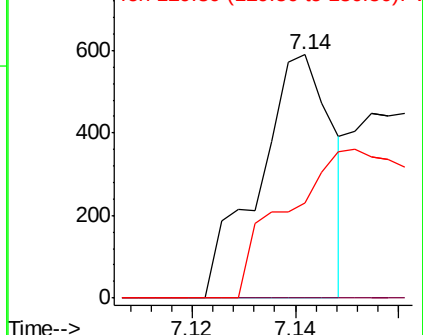


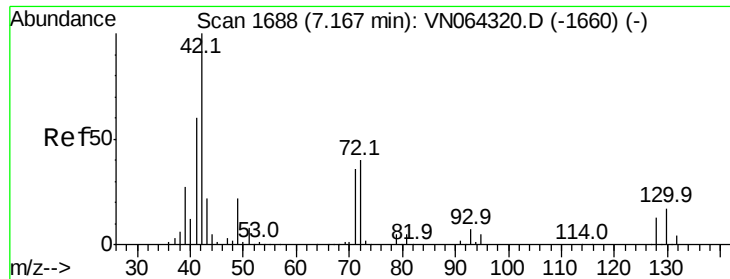
#28
 Bromochloromethane
 Concen: 0.232 ug/l
 RT: 7.14 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

Tgt Ion: 49 Resp: 583
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 2.8
 130 116.5 56.2 84.2#



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 2.187 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

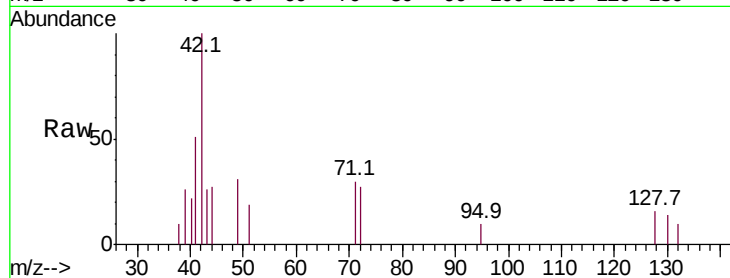
Tot Ion: 42 Resp: 2826

Ion Ratio Lower Upper

42 100

72 27.4 31.6 47.4#

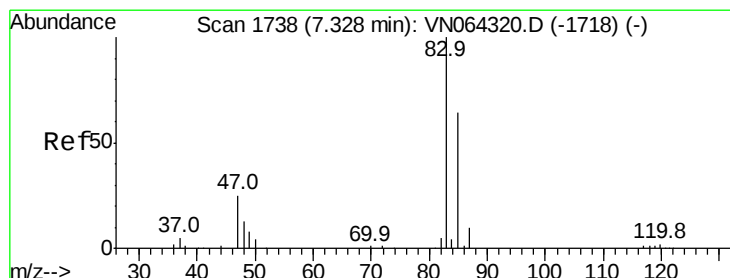
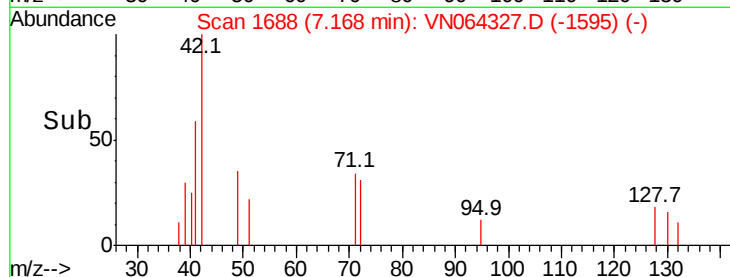
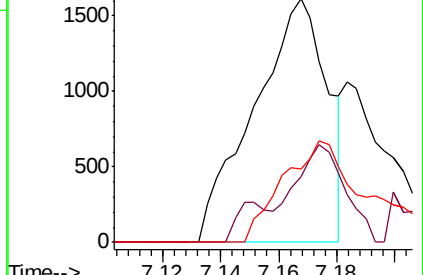
71 46.0 29.4 44.0#



Abundance Ion 42.00 (41.70 to 42.70): VN064327.D (-1660) (-)

Ion 72.00 (71.70 to 72.70): VN064327.D (-1660) (-)

Ion 71.00 (70.70 to 71.70): VN064327.D (-1660) (-)



#30

Chloroform

Concen: 0.389 ug/l

RT: 7.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN064327.D

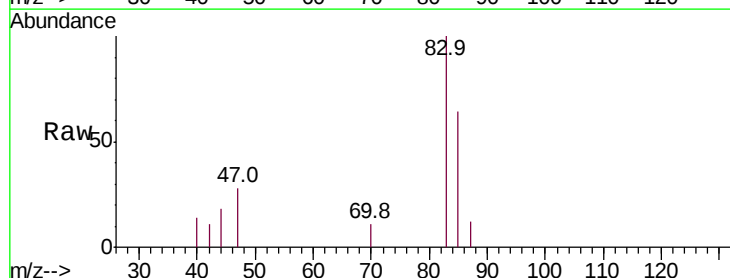
Acq: 27 Oct 2020 15:41

Tgt Ion: 83 Resp: 2186

Ion Ratio Lower Upper

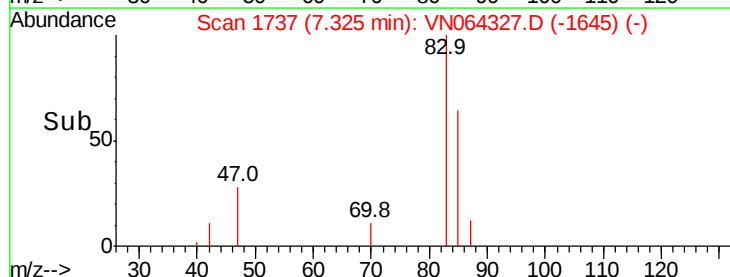
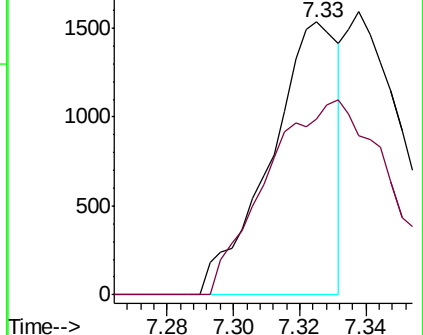
83 100

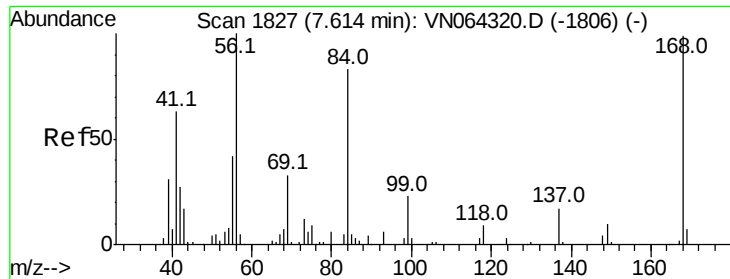
85 64.3 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VN064327.D (-1645) (-)

Ion 84.90 (84.60 to 85.60): VN064327.D (-1645) (-)

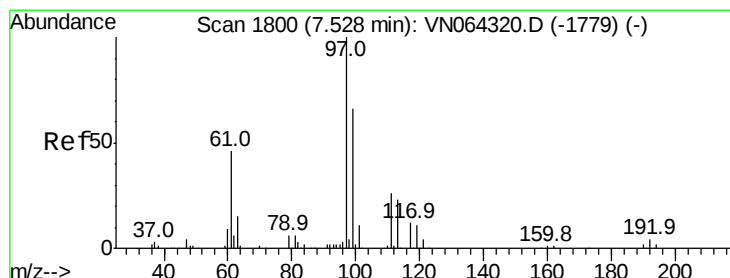
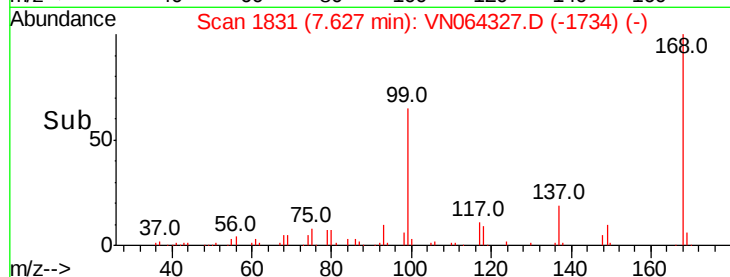
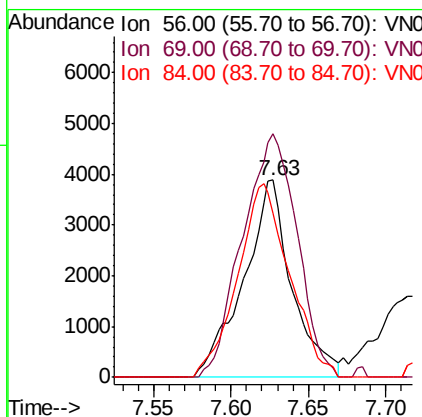
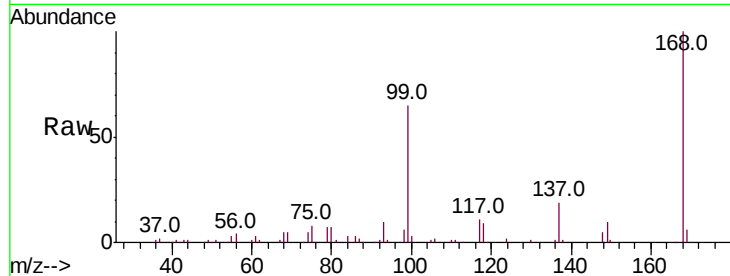




#31
Cyclohexane
Concen: 1.830 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

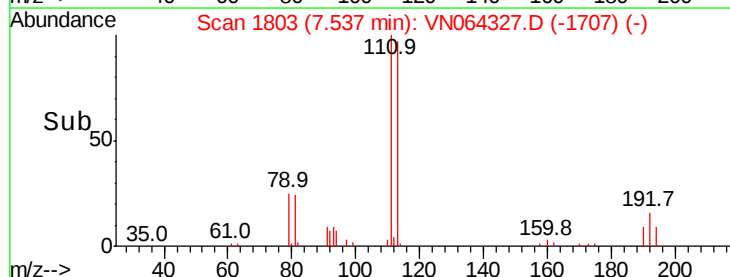
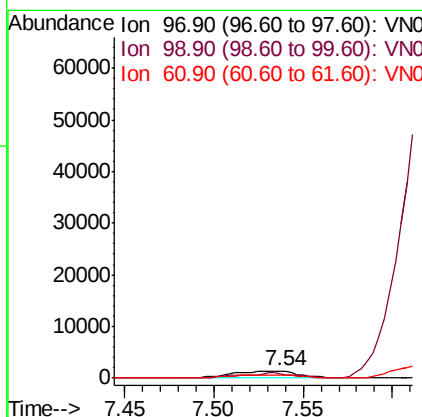
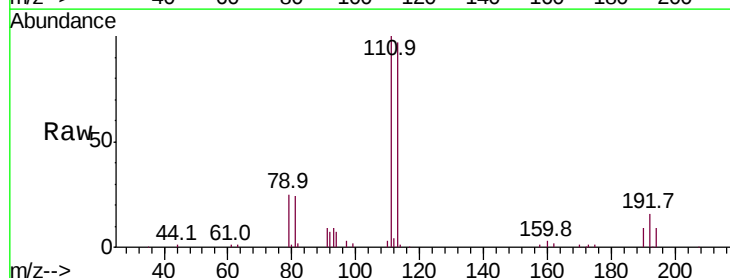
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

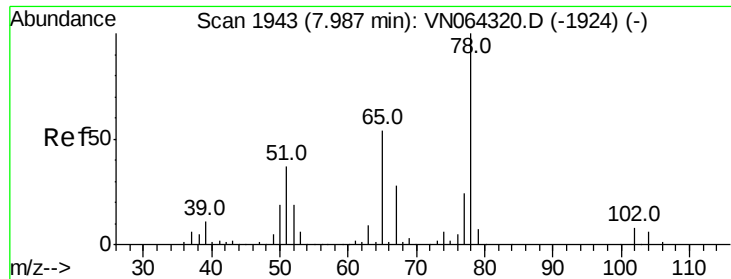
Tot Ion: 56 Resp: 8420
Ion Ratio Lower Upper
56 100
69 123.4 25.8 38.8#
84 83.4 66.3 99.5



#32
1,1,1-Trichloroethane
Concen: 0.652 ug/l
RT: 7.54 min Scan# 1803
Delta R.T. 0.01 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

Tgt Ion: 97 Resp: 3517
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 48.6 35.8 53.6





#33

1,2-Dichloroethane-d4

Concen: 49.523 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

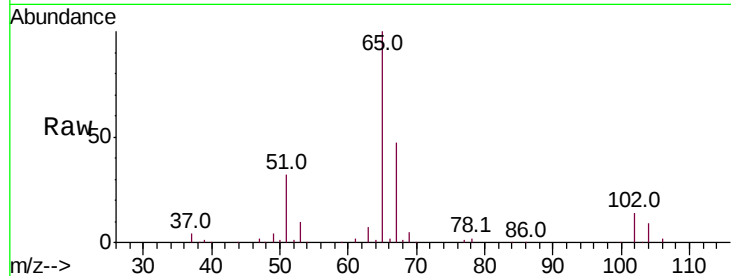
MDL-WATER-03-QT4-2020

Tot Ion: 65 Resp: 196336

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.2

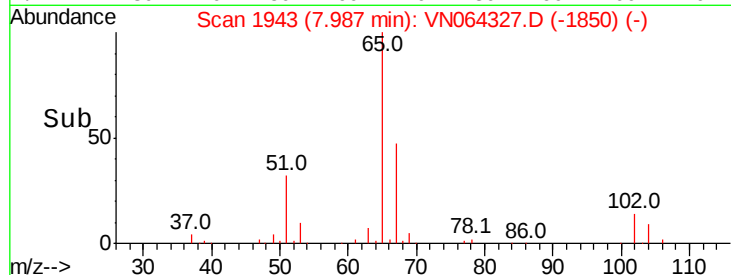


Abundance Ion 64.90 (64.60 to 65.60): VN064327.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN064327.D (-1924) (-)

7.99

Time-->



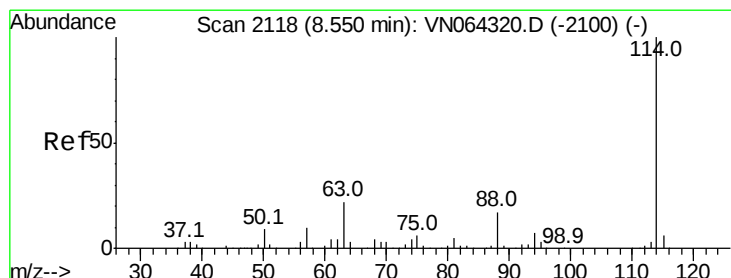
Abundance

Ion 64.90 (64.60 to 65.60): VN064327.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064327.D (-1850) (-)

7.99

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

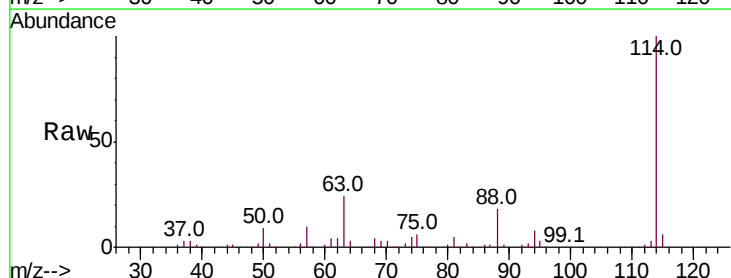
Tgt Ion: 114 Resp: 416038

Ion Ratio Lower Upper

114 100

63 23.6 0.0 44.6

88 17.9 0.0 33.4



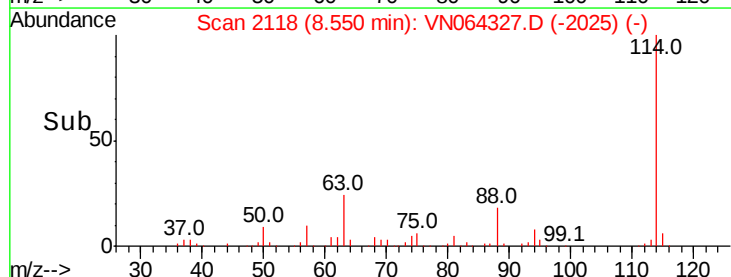
Abundance Ion 113.90 (113.60 to 114.60): VN064327.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN064327.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN064327.D (-2100) (-)

8.55

Time-->



Abundance

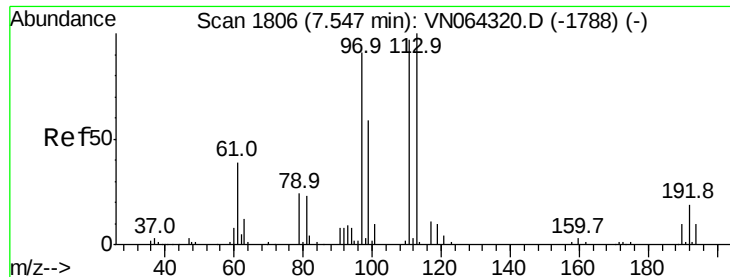
Ion 113.90 (113.60 to 114.60): VN064327.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064327.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064327.D (-2025) (-)

8.55

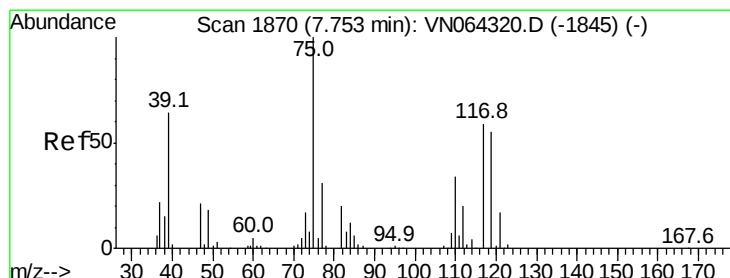
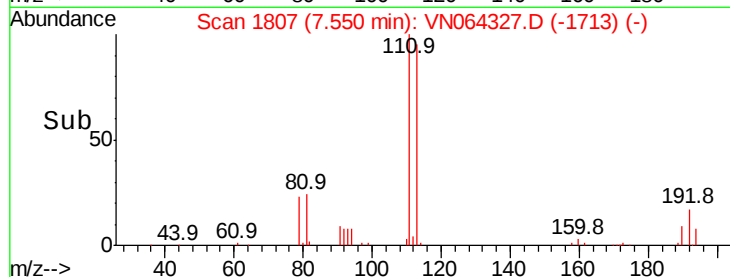
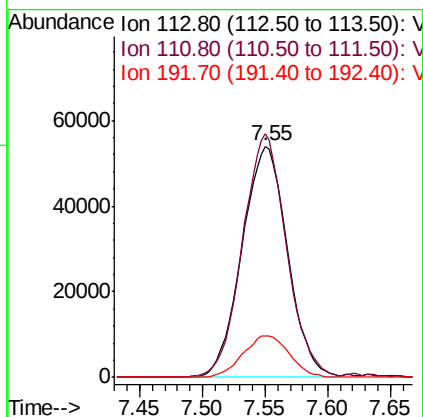
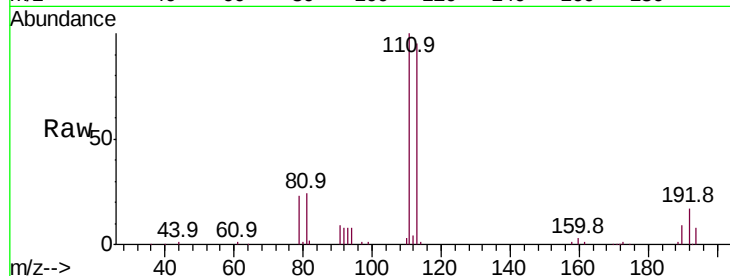
Time-->



#35
Dibromofluoromethane
Concen: 49.007 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

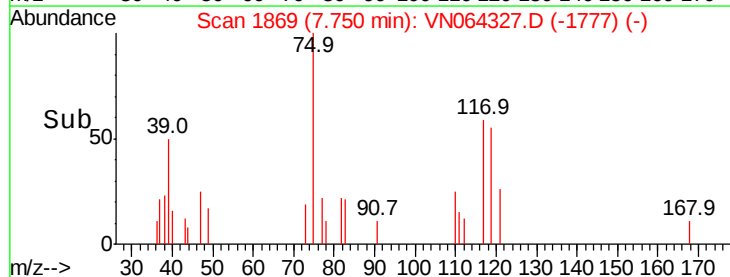
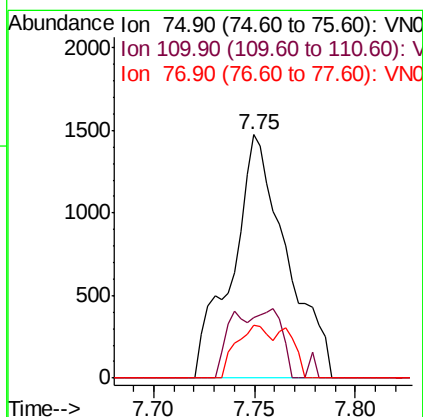
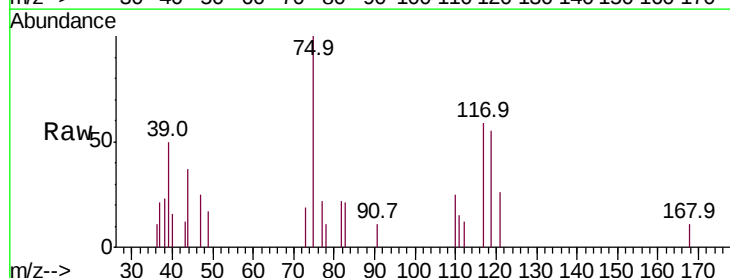
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

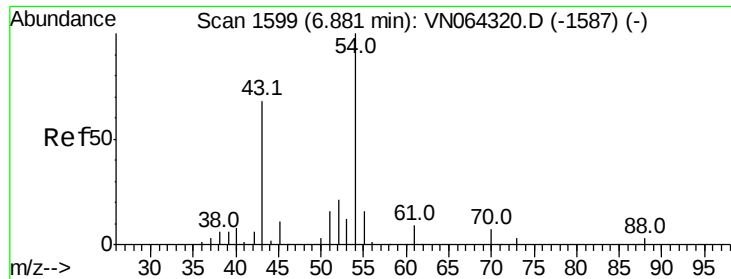
Tot Ion:113 Resp: 135967
Ion Ratio Lower Upper
113 100
111 101.8 81.5 122.3
192 18.3 15.0 22.4



#36
1,1-Dichloropropene
Concen: 0.655 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

Tgt Ion: 75 Resp: 2749
Ion Ratio Lower Upper
75 100
110 11.1 16.8 50.3#
77 14.0 24.2 36.4#





#37

Ethyl Acetate

Concen: 0.222 ug/l

RT: 6.89 min Scan# 1603

Delta R.T. 0.01 min

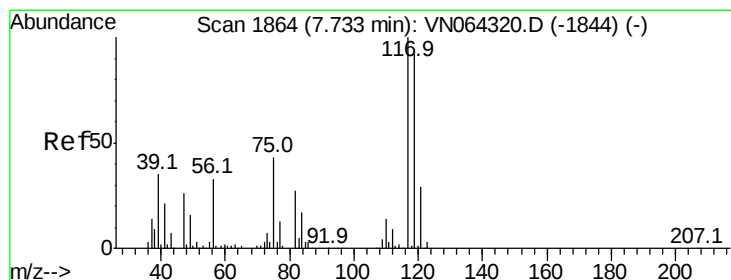
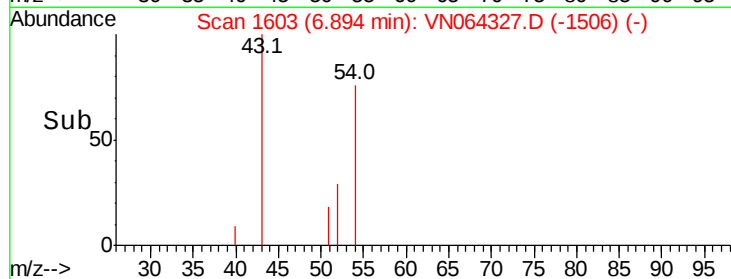
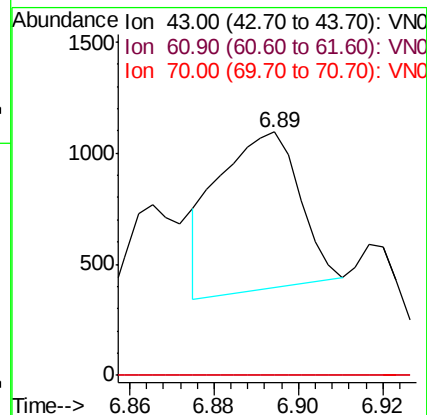
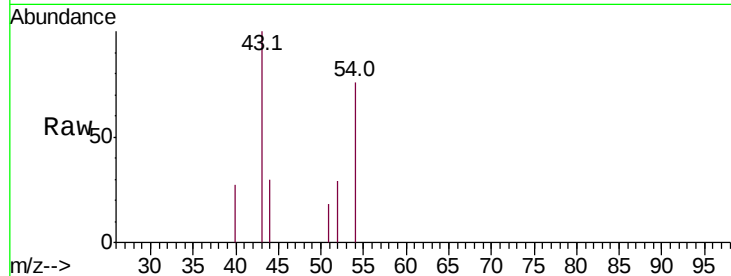
Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

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

Tot Ion: 43 Resp: 941

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.0	15.0#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 0.767 ug/l

RT: 7.74 min Scan# 1866

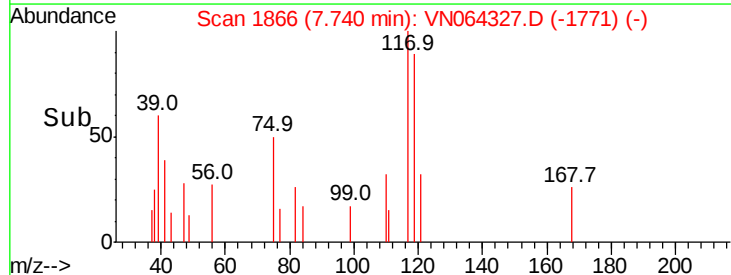
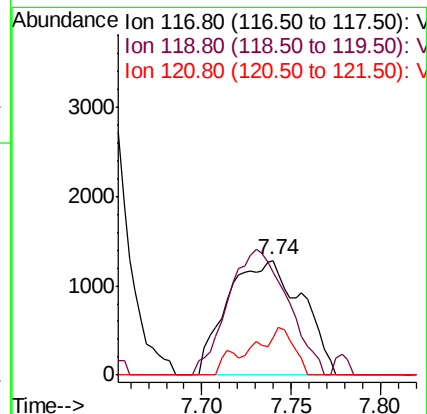
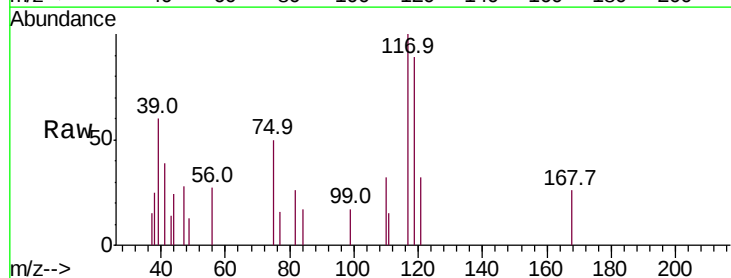
Delta R.T. 0.01 min

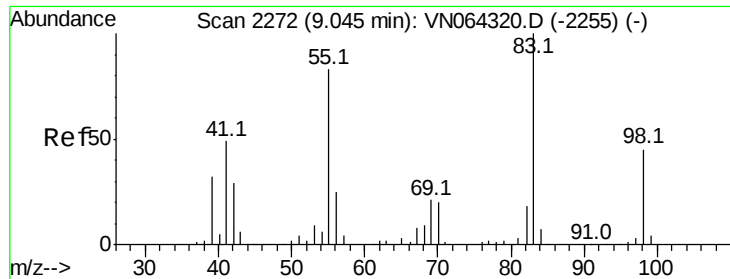
Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Tgt Ion: 117 Resp: 3734

Ion	Ratio	Lower	Upper
117	100		
119	89.1	73.7	110.5
121	32.1	22.8	34.2

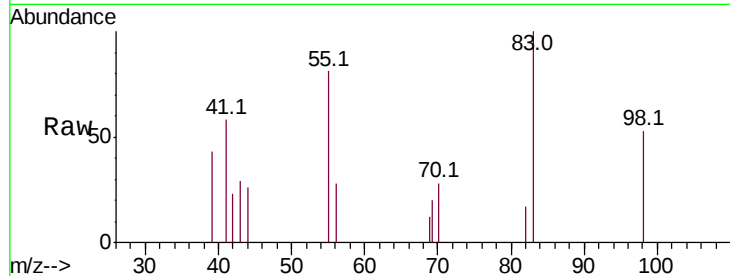




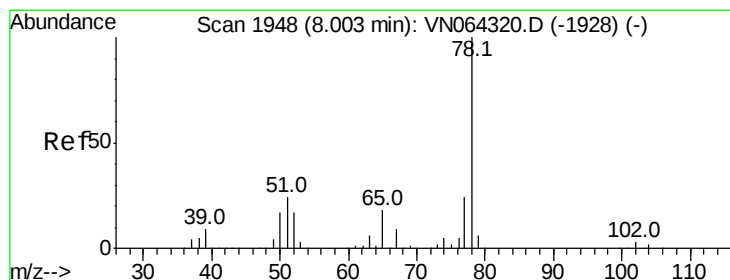
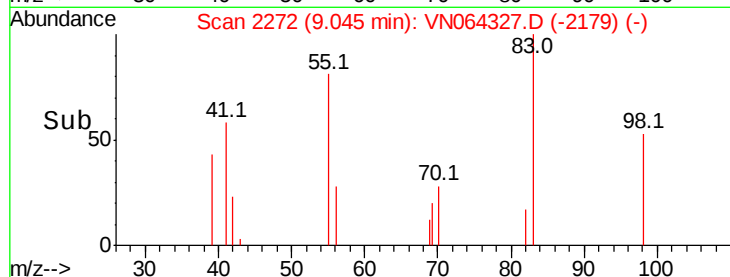
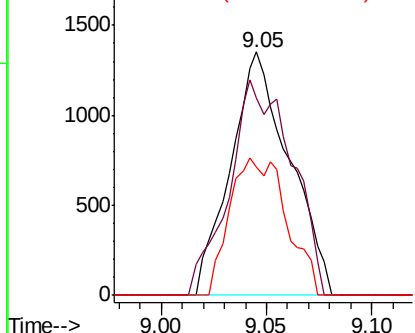
#39
Methvlcvclohexane
Concen: 0.629 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

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

Tot Ion: 83 Resp: 2617
Ion Ratio Lower Upper
83 100
55 81.2 66.2 99.4
98 52.8 36.0 54.0

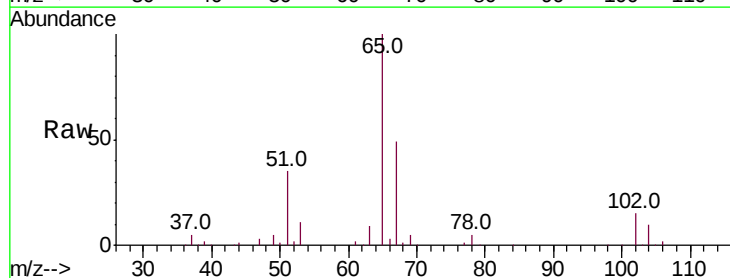


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

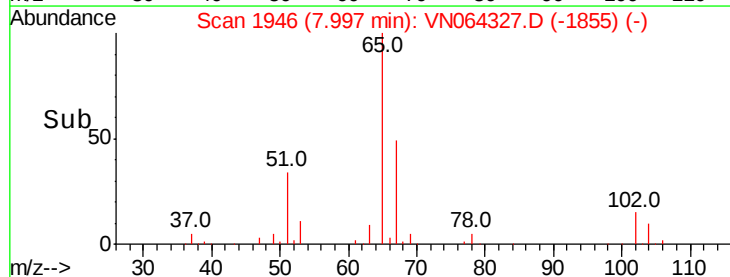
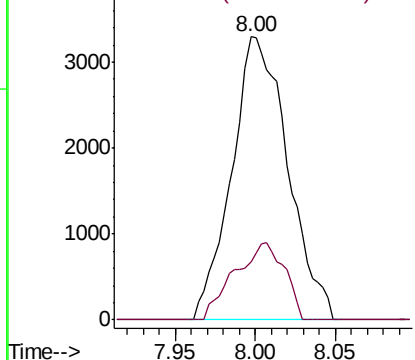


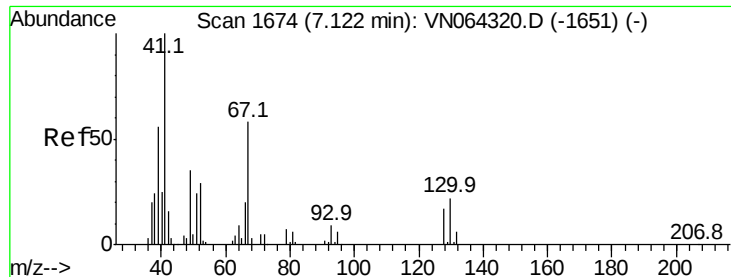
#40
Benzene
Concen: 0.677 ug/l
RT: 8.00 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

Tgt Ion: 78 Resp: 7911
Ion Ratio Lower Upper
78 100
77 20.7 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

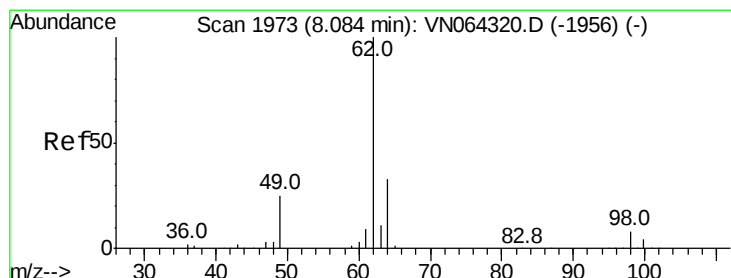
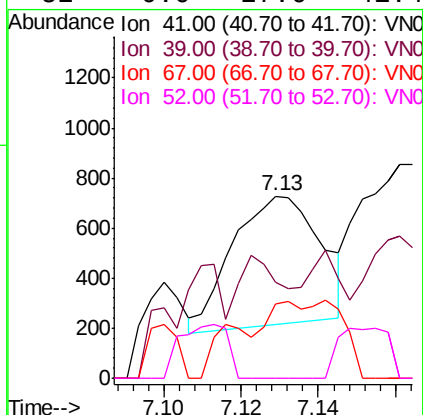
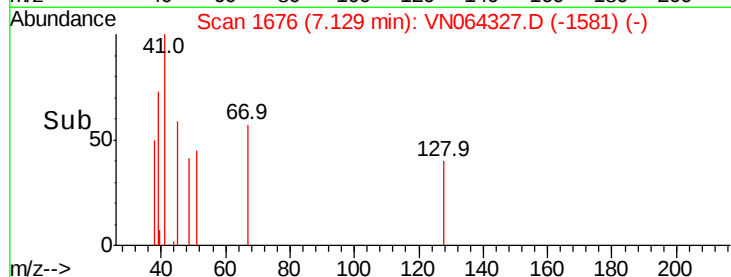
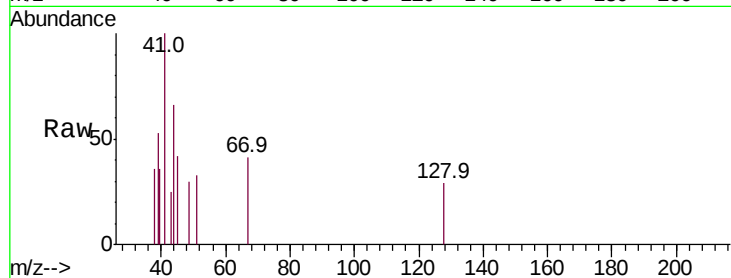




#41
Methacrylonitrile
Concen: 0.385 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

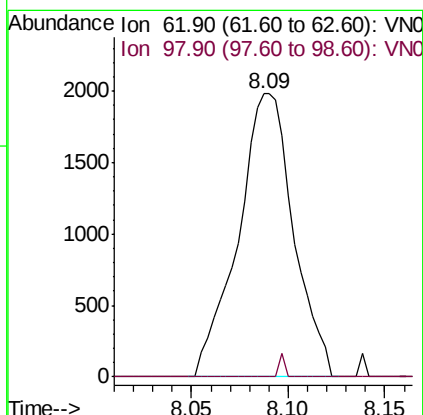
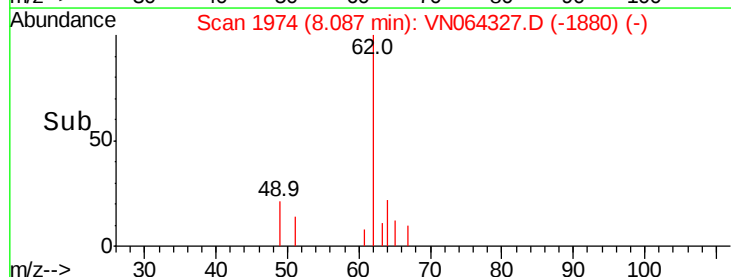
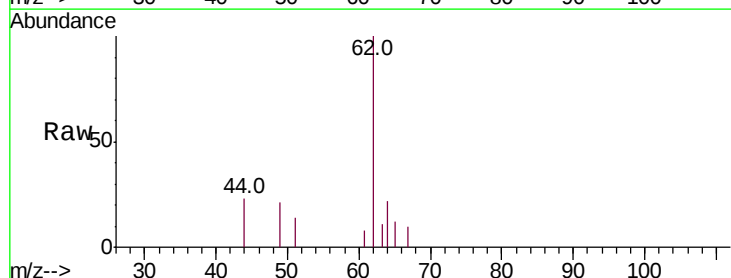
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

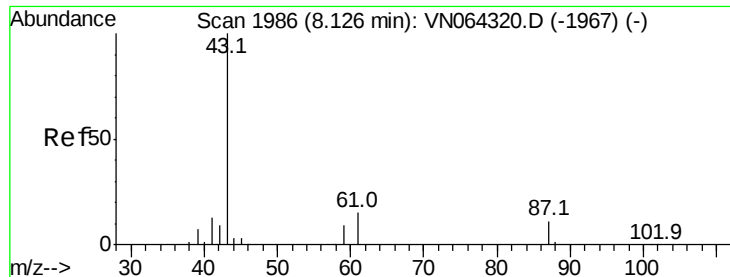
Tot Ion: 41 Resp: 811
Ion Ratio Lower Upper
41 100
39 49.1 48.6 72.8
67 10.5 61.4 92.2#
52 0.0 27.6 41.4#



#42
1,2-Dichloroethane
Concen: 0.785 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

Tgt Ion: 62 Resp: 3963
Ion Ratio Lower Upper
62 100
98 0.8 0.0 14.2





#43

Isopropyl Acetate

Concen: 0.634 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

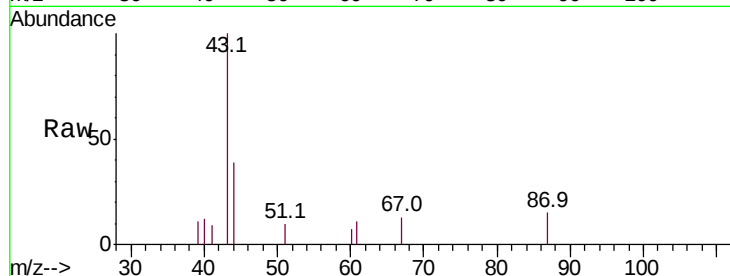
Tot Ion: 43 Resp: 4595

Ion Ratio Lower Upper

43 100

61 0.0 19.1 28.7#

87 5.8 9.3 13.9#



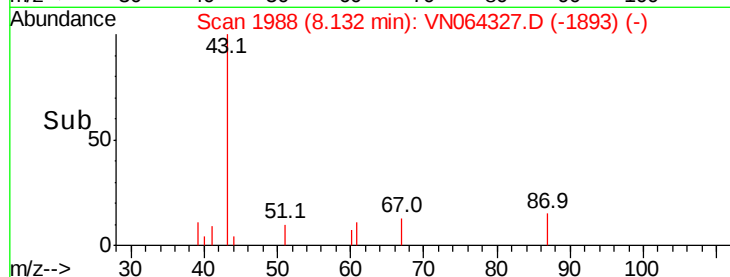
Abundance Ion 43.00 (42.70 to 43.70): VN064327.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN064327.D (-1988) (-)

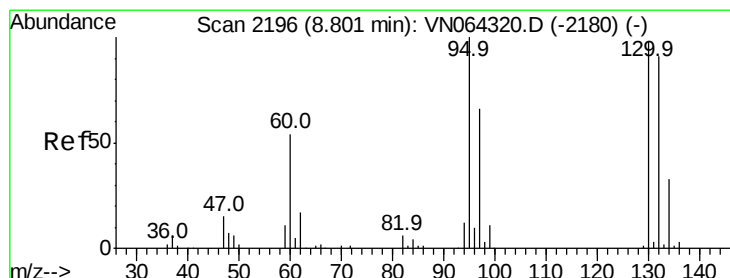
Ion 87.00 (86.70 to 87.70): VN064327.D (-1988) (-)

8.13

Time-->



Time-->



#44

Trichloroethene

Concen: 0.676 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN064327.D

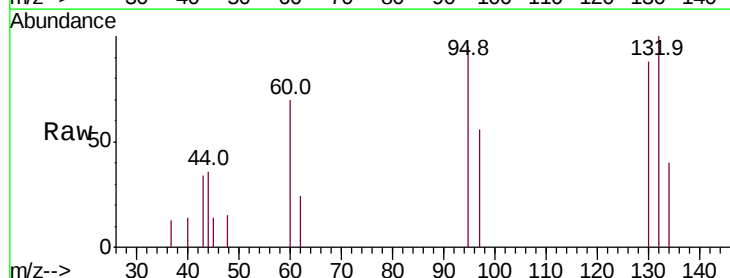
Acq: 27 Oct 2020 15:41

Tgt Ion:130 Resp: 2070

Ion Ratio Lower Upper

130 100

95 107.7 0.0 203.6

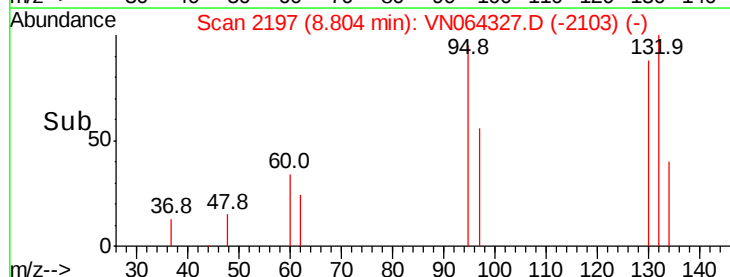


Abundance Ion 129.80 (129.50 to 130.50): VN064327.D (-2196) (-)

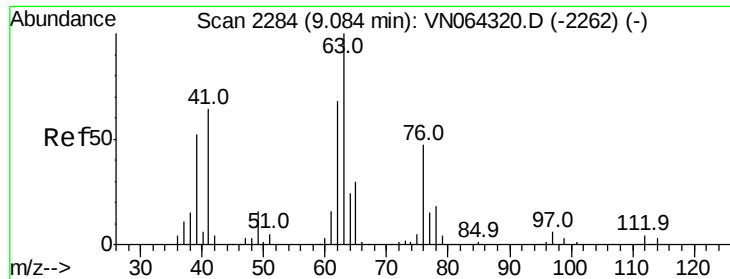
Ion 94.90 (94.60 to 95.60): VN064327.D (-2196) (-)

8.80

Time-->



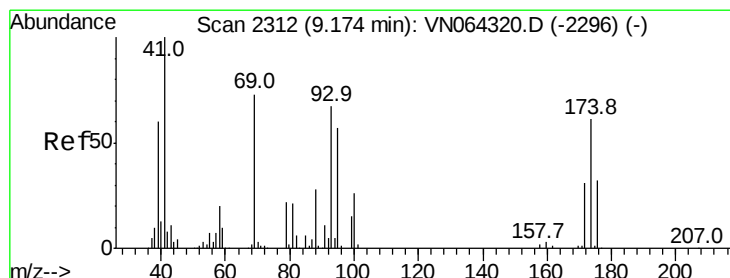
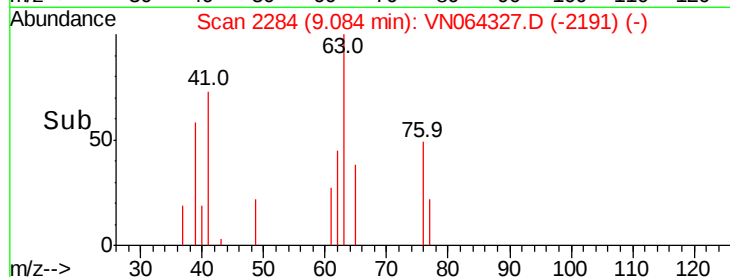
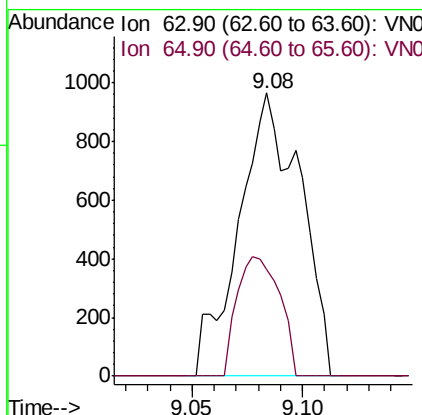
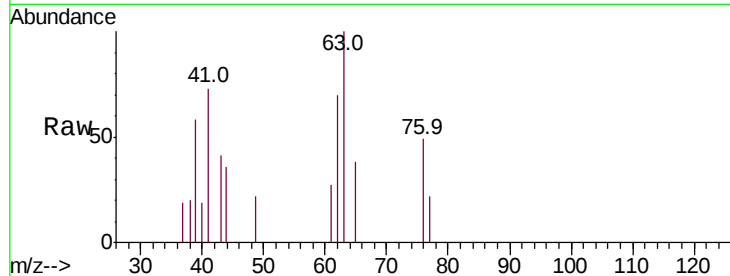
Time-->



#45
 1,2-Dichloropropane
 Concen: 0.596 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

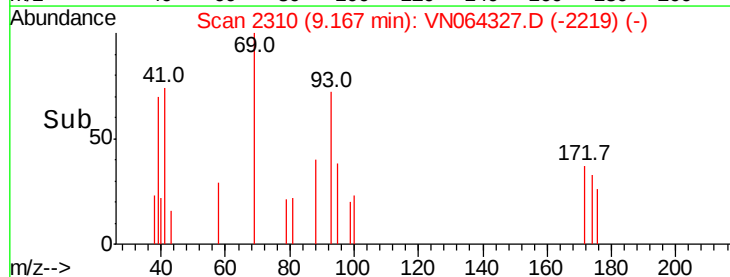
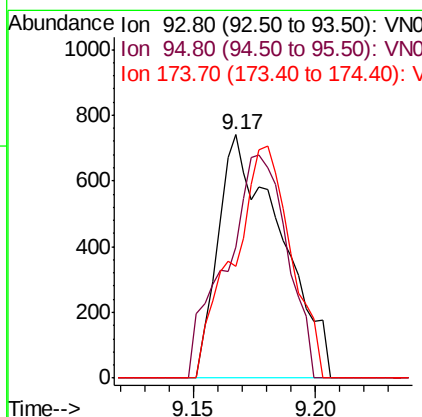
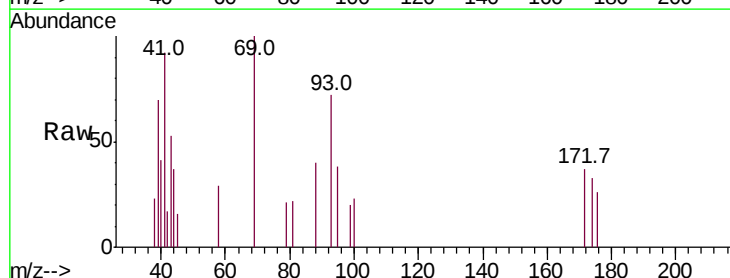
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

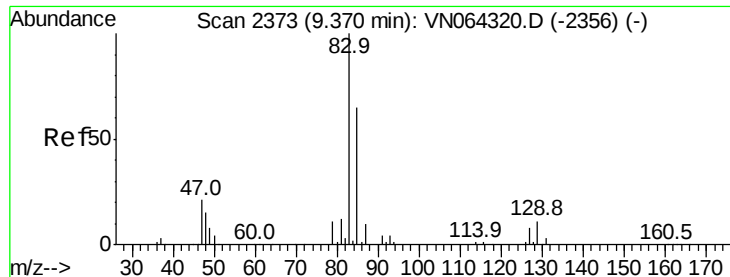
Tot Ion: 63 Resp: 1865
 Ion Ratio Lower Upper
 63 100
 65 37.6 24.3 36.5#



#46
 Dibromomethane
 Concen: 0.601 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.01 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

Tgt Ion: 93 Resp: 1316
 Ion Ratio Lower Upper
 93 100
 95 89.6 64.4 96.6
 174 88.3 71.4 107.0





#47

Bromodichloromethane

Concen: 0.591 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

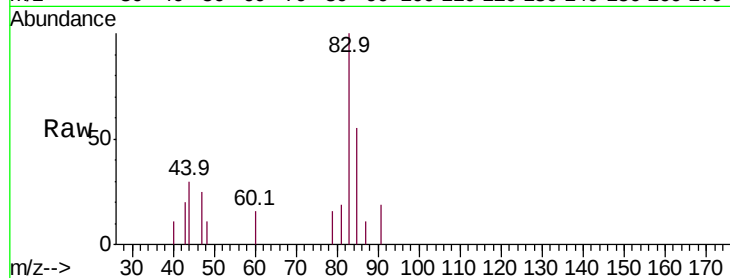
Tot Ion: 83 Resp: 2869

Ion Ratio Lower Upper

83 100

85 55.3 52.1 78.1

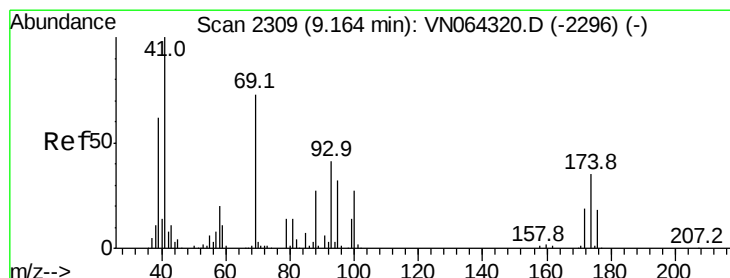
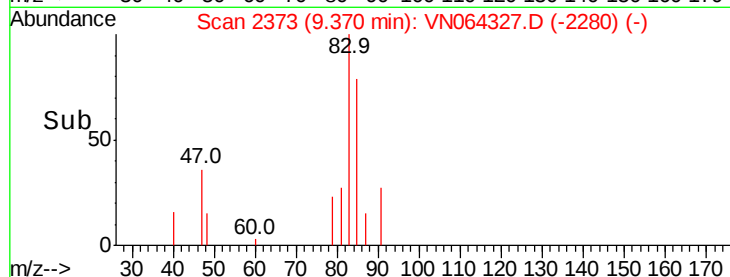
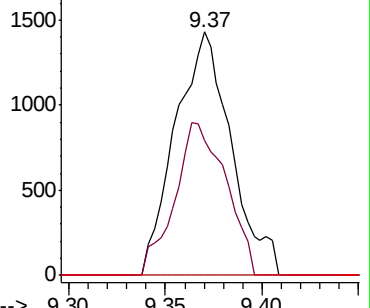
127 0.0 6.7 10.1#



Abundance Ion 82.90 (82.60 to 83.60): VN064327.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064327.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064327.D (-2280) (-)



#48

Methyl methacrylate

Concen: 0.593 ug/l

RT: 9.16 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

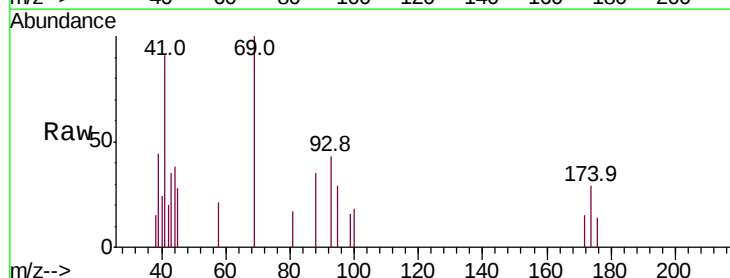
Tgt Ion: 41 Resp: 2219

Ion Ratio Lower Upper

41 100

69 83.7 59.1 88.7

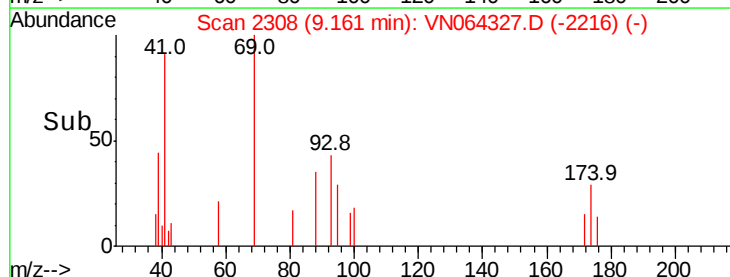
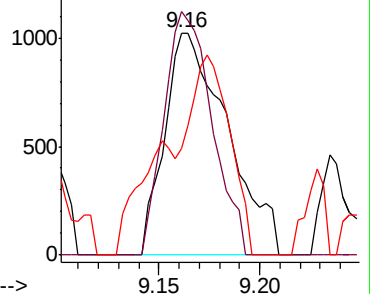
39 29.6 51.3 76.9#

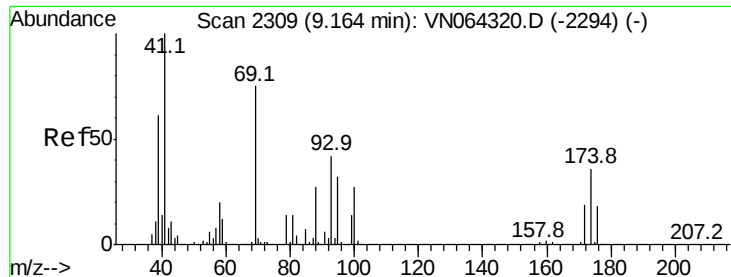


Abundance Ion 41.00 (40.70 to 41.70): VN064327.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064327.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064327.D (-2216) (-)

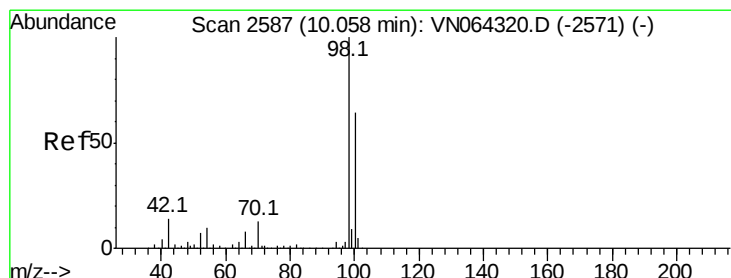
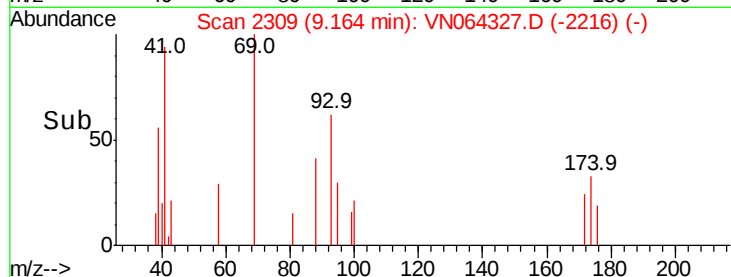
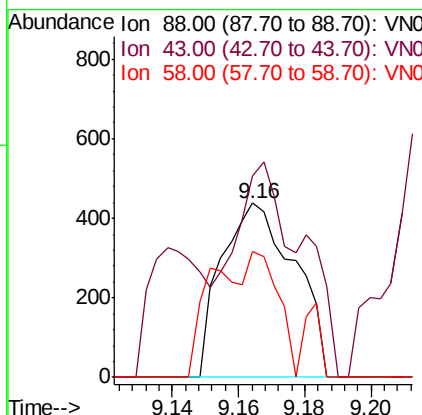
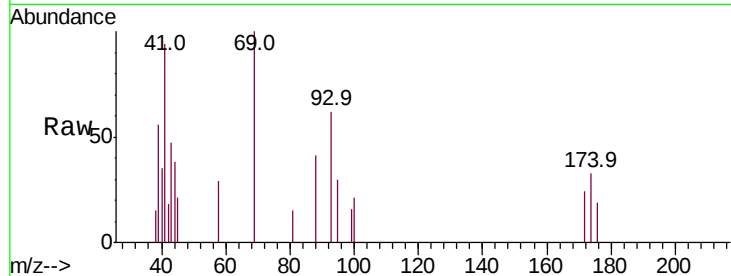




#49
 1,4-Dioxane
 Concen: 12.225 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

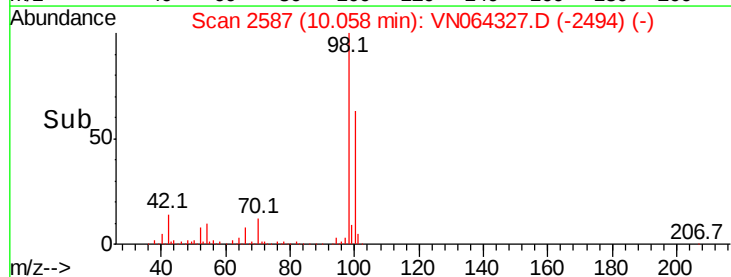
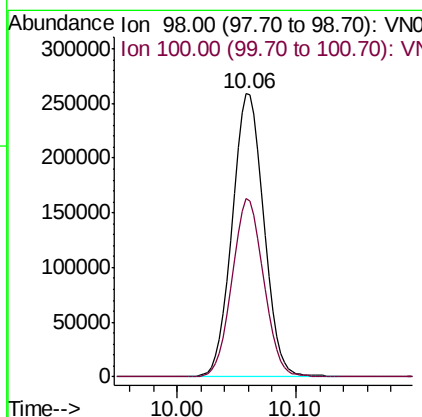
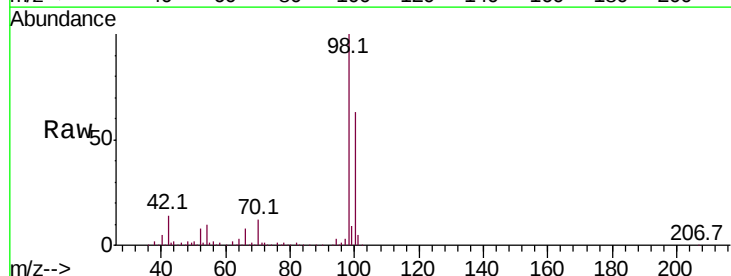
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

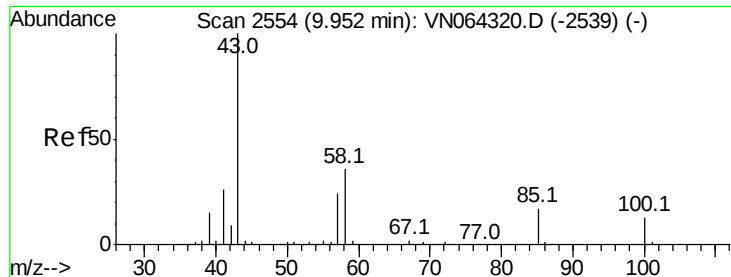
Tot Ion: 88 Resp: 674
 Ion Ratio Lower Upper
 88 100
 43 115.7 31.8 47.8#
 58 29.5 60.3 90.5#



#50
 Toluene-d8
 Concen: 46.558 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

Tgt Ion: 98 Resp: 477793
 Ion Ratio Lower Upper
 98 100
 100 62.6 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 2.951 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

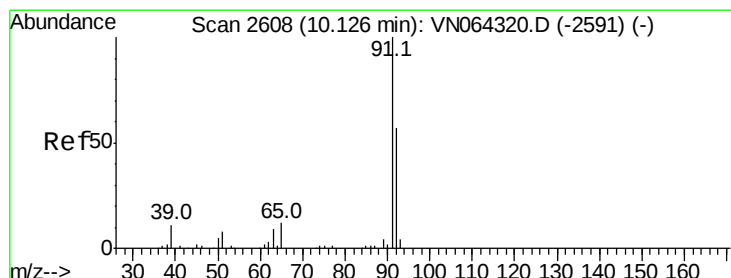
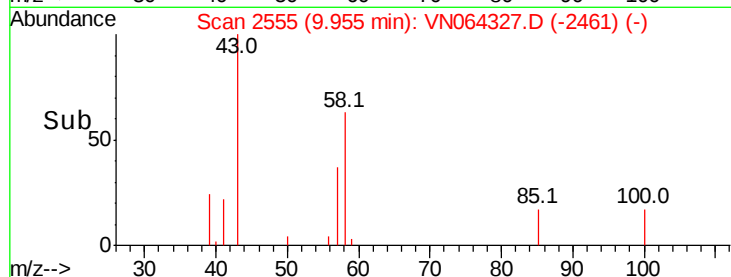
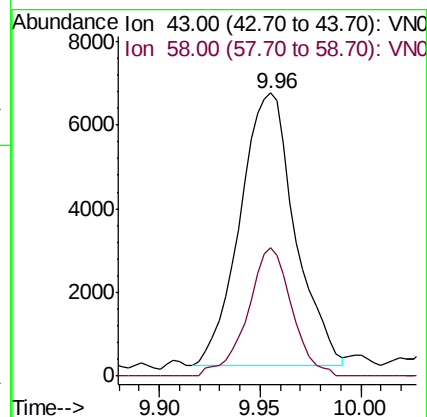
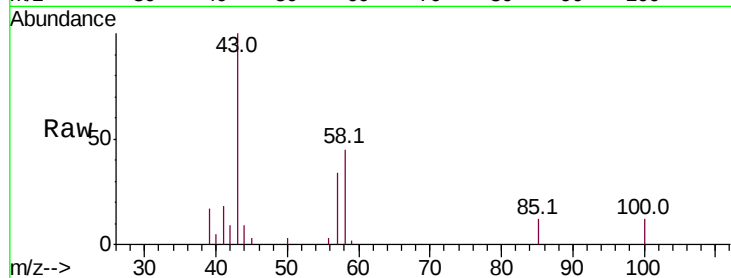
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 12438

Ion Ratio Lower Upper

43 100

58 37.9 28.6 42.8



#52

Toluene

Concen: 0.714 ug/l

RT: 10.12 min Scan# 2606

Delta R.T. -0.01 min

Lab File: VN064327.D

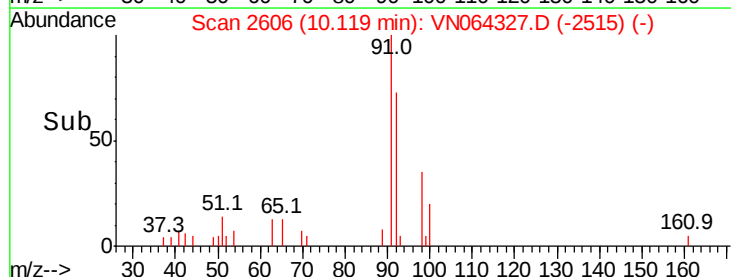
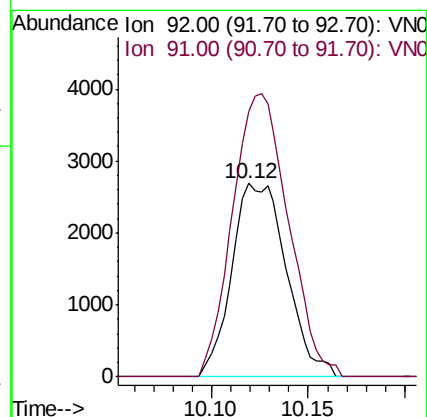
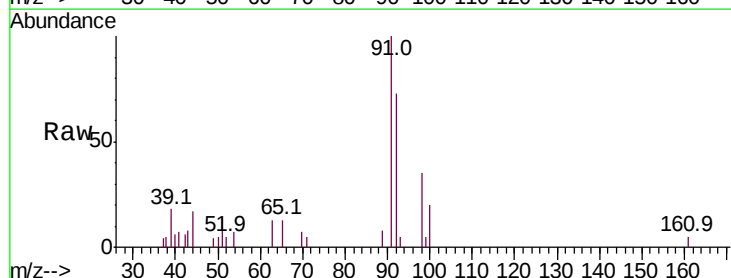
Acq: 27 Oct 2020 15:41

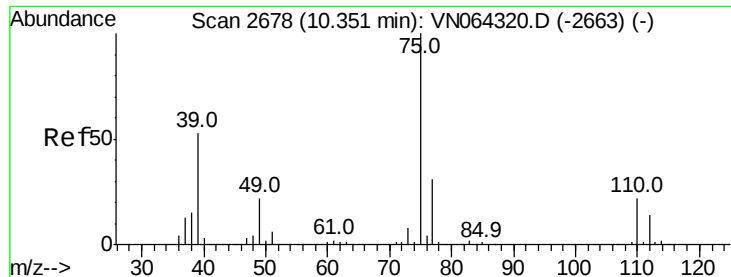
Tgt Ion: 92 Resp: 5263

Ion Ratio Lower Upper

92 100

91 150.0 139.9 209.9

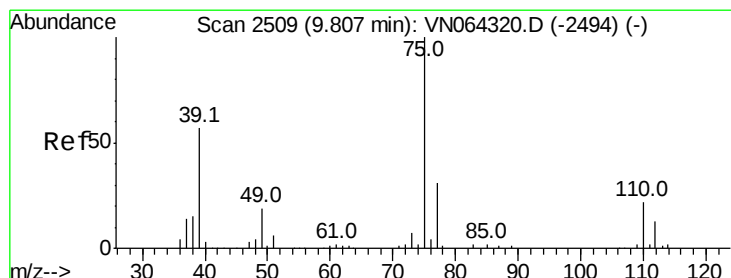
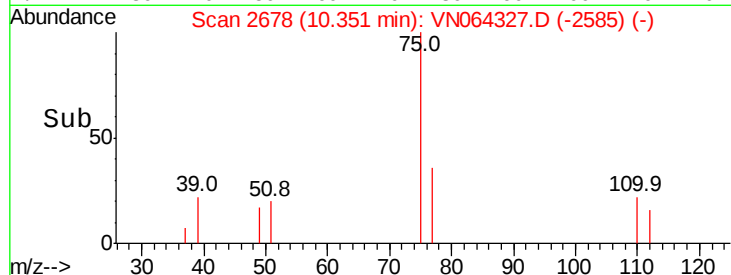
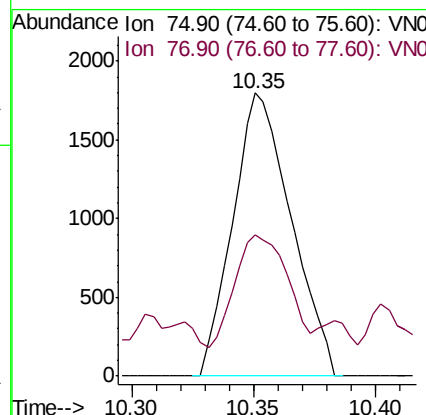
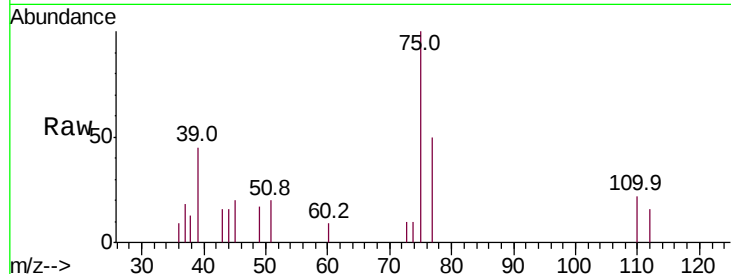




#53
 t-1,3-Dichloropropene
 Concen: 0.581 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

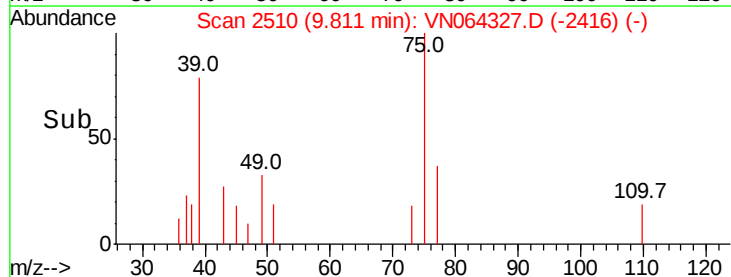
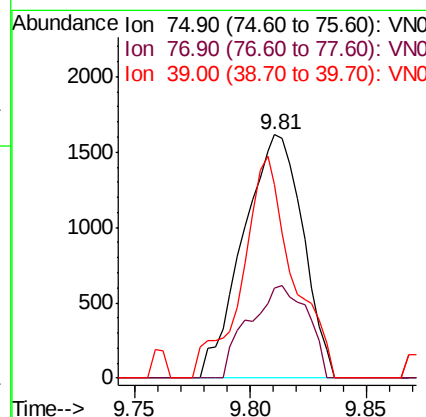
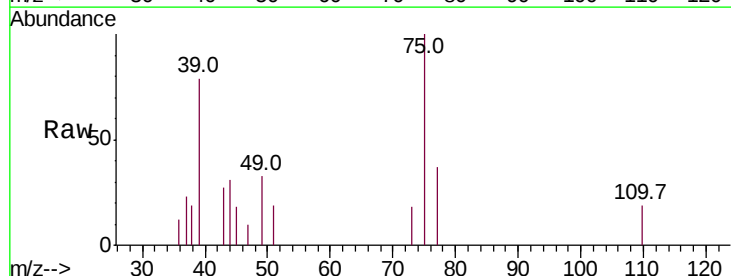
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

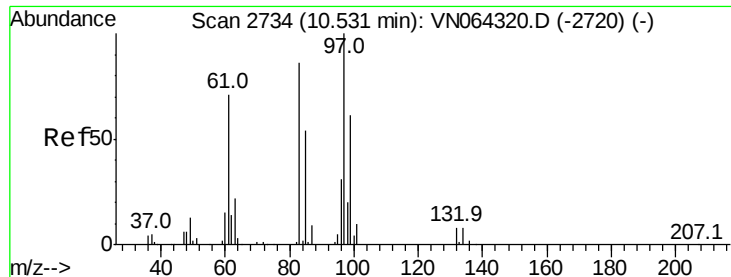
Tot Ion: 75 Resp: 2982
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 0.547 ug/l
 RT: 9.81 min Scan# 2510
 Delta R.T. 0.00 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

Tgt Ion: 75 Resp: 2891
 Ion Ratio Lower Upper
 75 100
 77 36.9 25.0 37.4
 39 79.3 45.5 68.3#

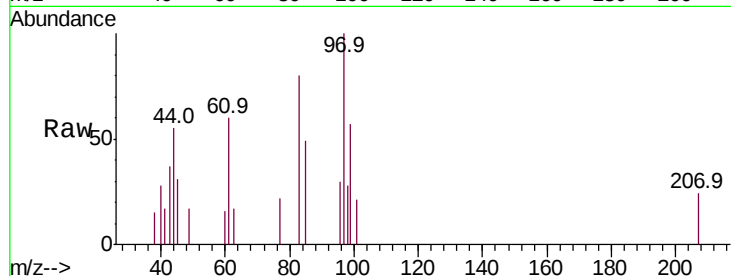




#55
 1,1,2-Trichloroethane
 Concen: 0.606 ug/l
 RT: 10.54 min Scan# 2737
 Delta R.T. 0.01 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

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

Tot Ion:	97	Resp:	1765
Ion	Ratio	Lower	Upper
97	100		
83	80.1	68.9	103.3
85	49.1	43.6	65.4
99	57.3	49.2	73.8

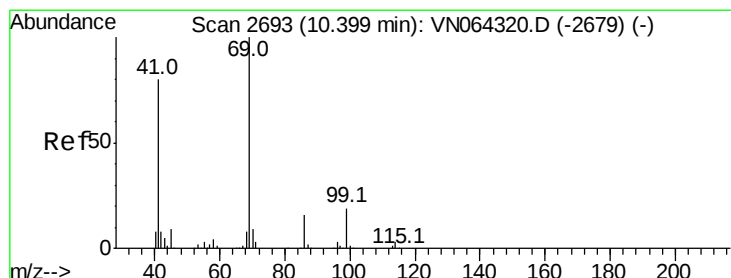
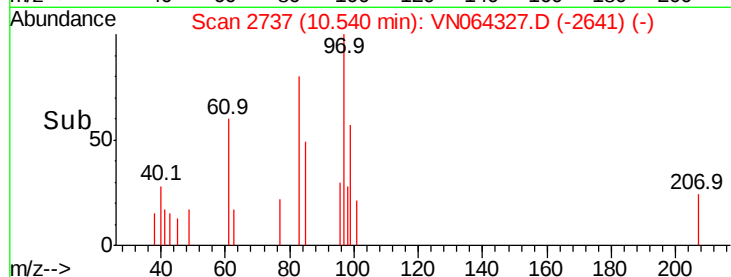
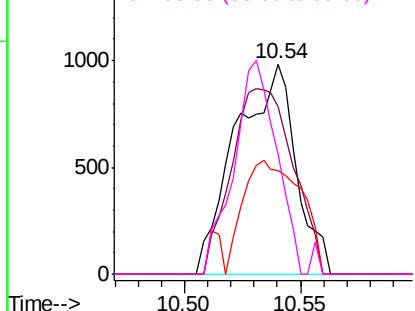


Abundance Ion 96.90 (96.60 to 97.60): VN064327.D (-2641) (-)

Ion 82.90 (82.60 to 83.60): VN064327.D (-2641) (-)

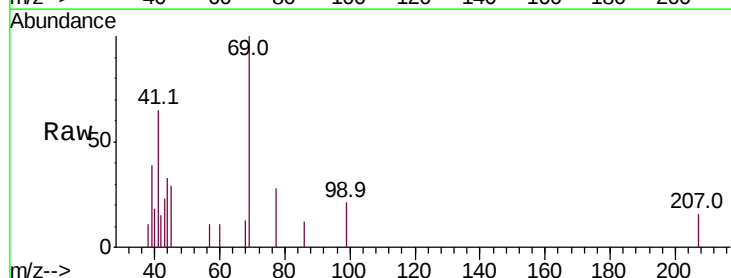
Ion 84.90 (84.60 to 85.60): VN064327.D (-2641) (-)

Ion 98.90 (98.60 to 99.60): VN064327.D (-2641) (-)



#56
 Ethyl methacrylate
 Concen: 0.595 ug/l
 RT: 10.41 min Scan# 2695
 Delta R.T. 0.01 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

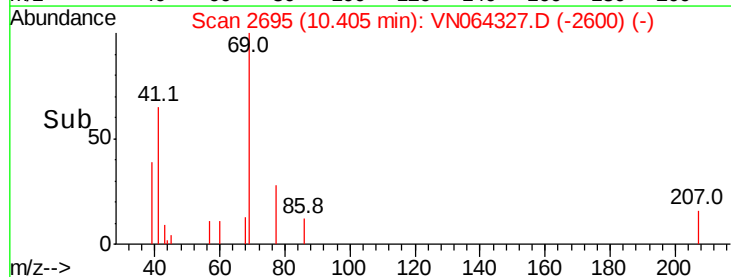
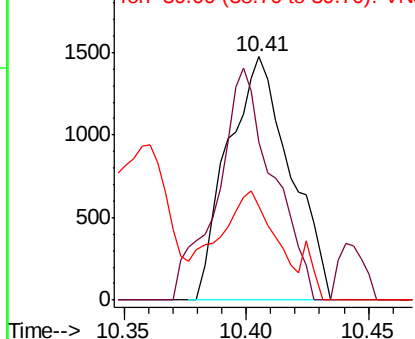
Tgt Ion:	69	Resp:	2621
Ion	Ratio	Lower	Upper
69	100		
41	85.4	61.4	92.2
39	29.4	36.5	54.7#

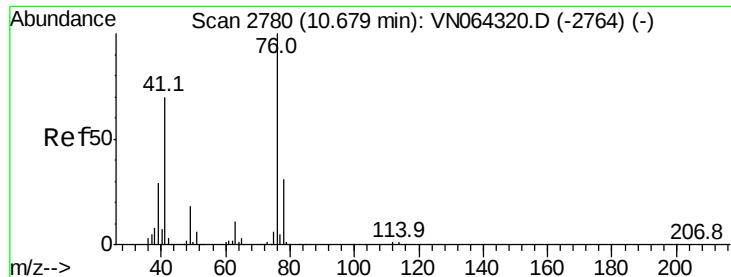


Abundance Ion 69.00 (68.70 to 69.70): VN064327.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN064327.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN064327.D (-2600) (-)





#57

1,3-Dichloropropane

Concen: 0.663 ug/l

RT: 10.68 min Scan# 2781

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

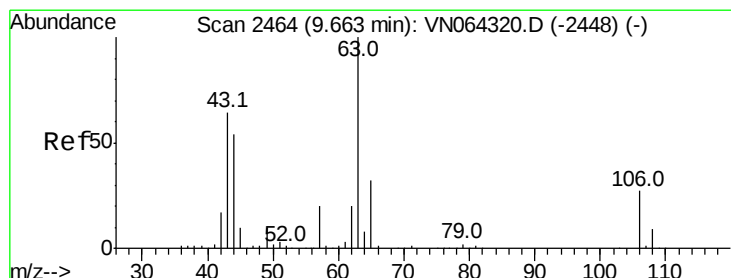
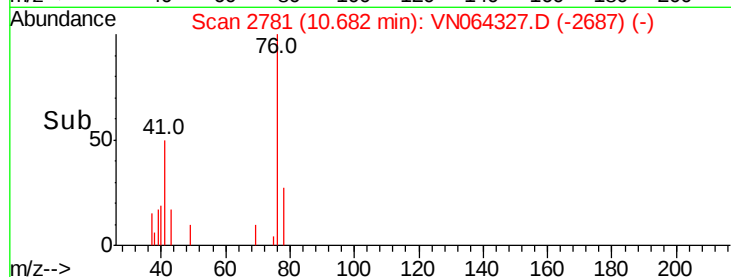
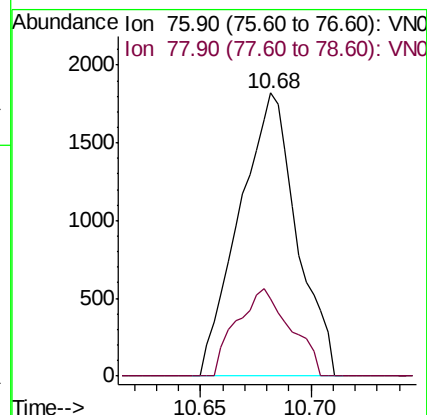
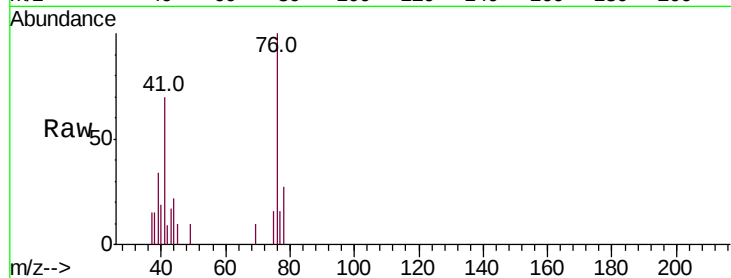
MDL-WATER-03-QT4-2020

Tot Ion: 76 Resp: 3292

Ion Ratio Lower Upper

76 100

78 28.7 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 2.497 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064327.D

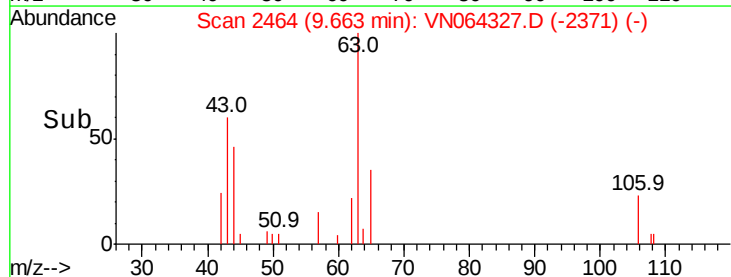
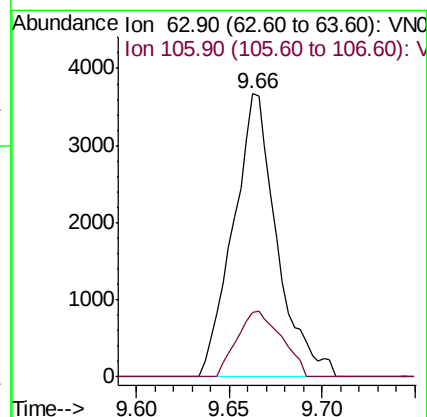
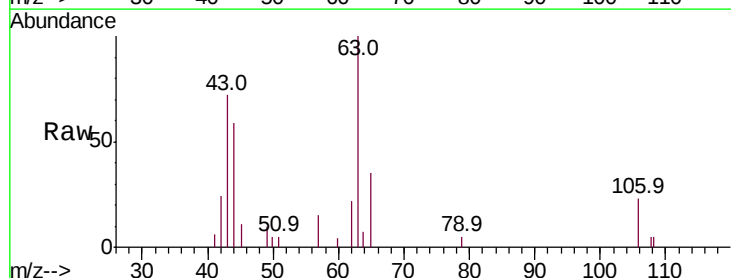
Acq: 27 Oct 2020 15:41

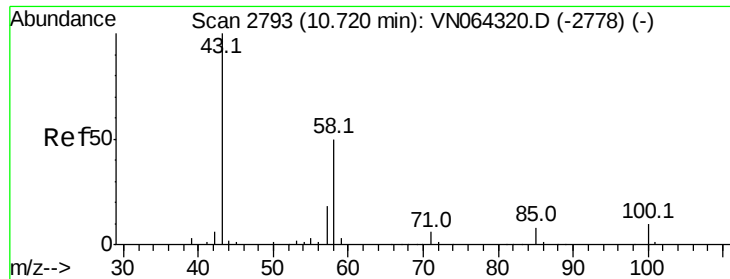
Tgt Ion: 63 Resp: 6004

Ion Ratio Lower Upper

63 100

106 23.6 21.0 31.4

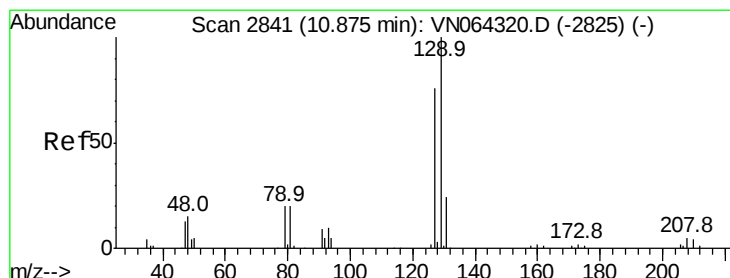
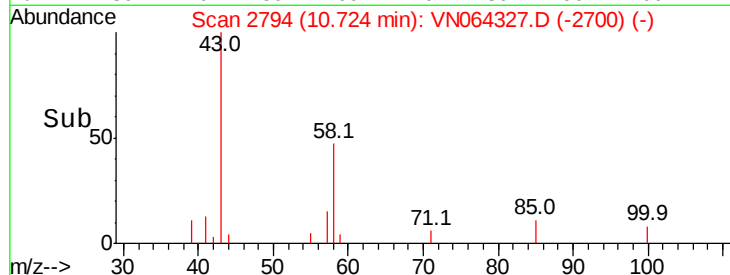
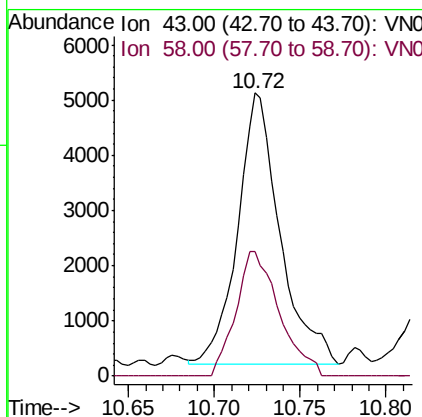
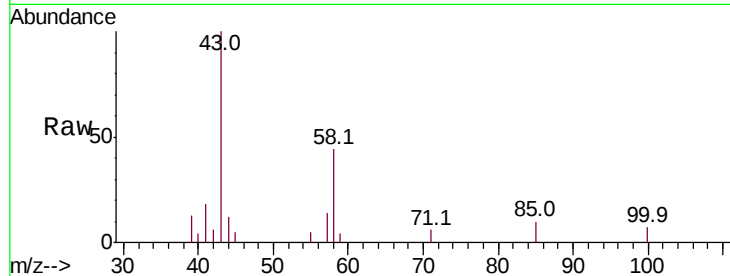




#59
2-Hexanone
Concen: 2.719 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

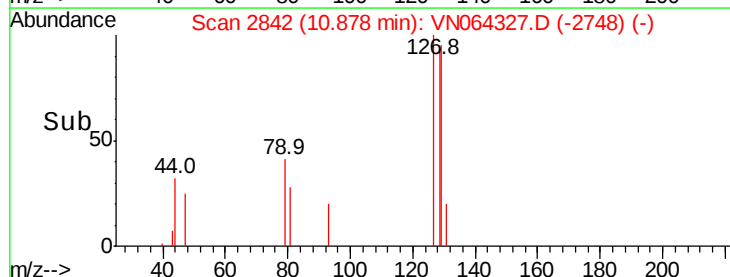
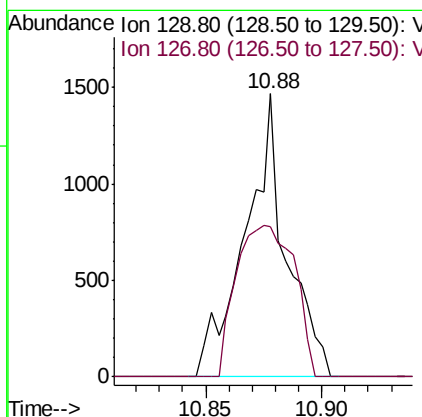
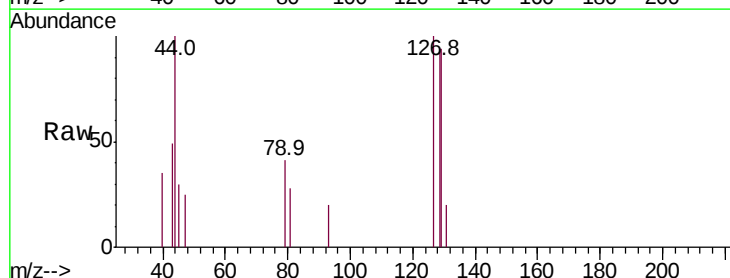
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

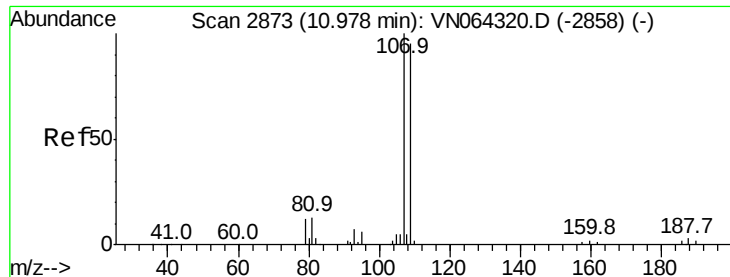
Tot Ion: 43 Resp: 8439
Ion Ratio Lower Upper
43 100
58 46.8 25.0 75.0



#60
Dibromochloromethane
Concen: 0.529 ug/l
RT: 10.88 min Scan# 2842
Delta R.T. 0.00 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

Tgt Ion: 129 Resp: 1820
Ion Ratio Lower Upper
129 100
127 75.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 0.556 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

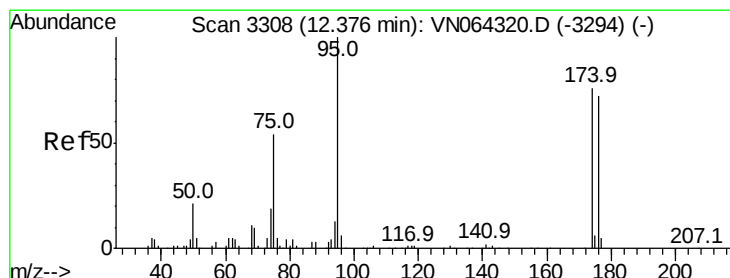
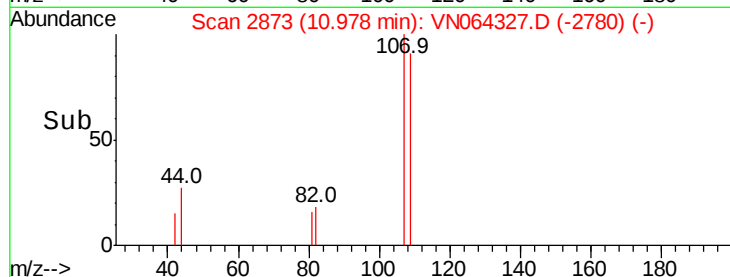
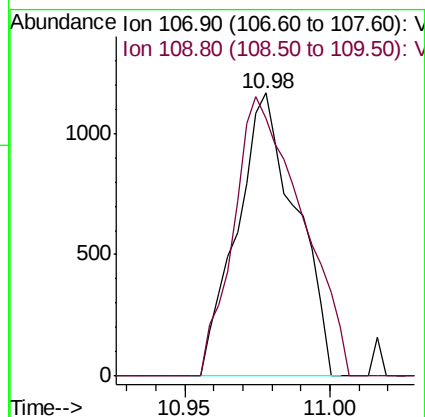
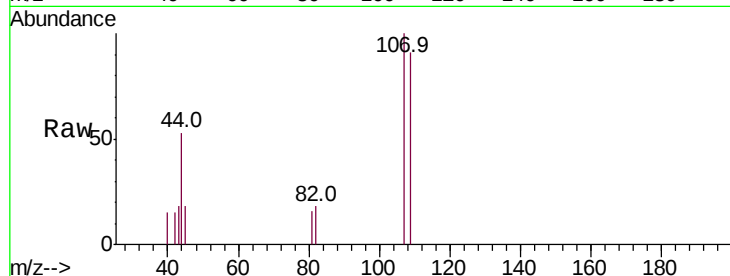
MDL-WATER-03-QT4-2020

Tot Ion:107 Resp: 1649

Ion Ratio Lower Upper

107 100

109 113.9 75.8 113.8#



#62

4-Bromofluorobenzene

Concen: 44.871 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

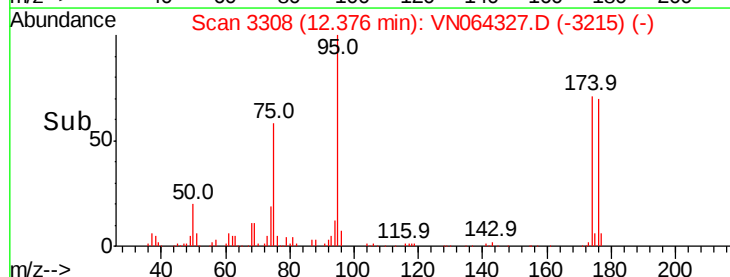
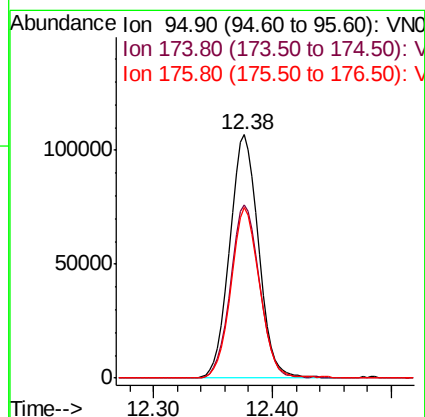
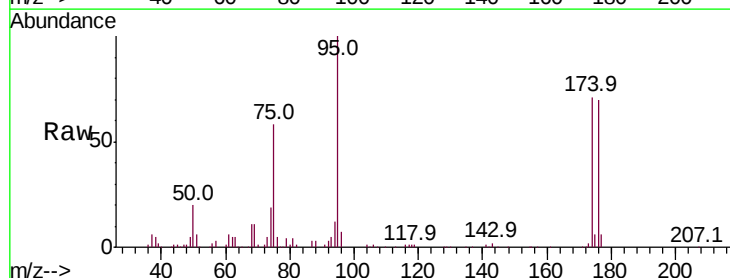
Tgt Ion: 95 Resp: 179539

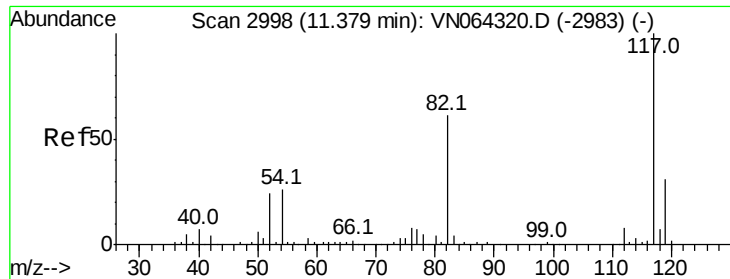
Ion Ratio Lower Upper

95 100

174 71.8 0.0 147.4

176 69.4 0.0 143.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

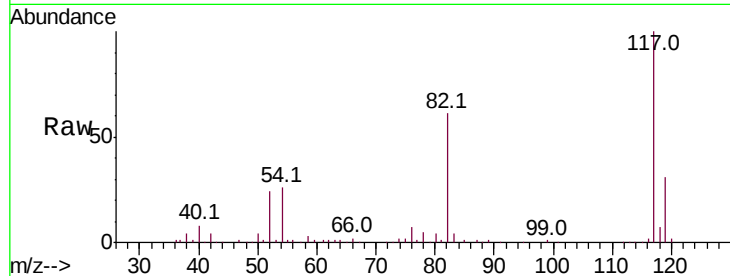
Tot Ion:117 Resp: 364915

Ion Ratio Lower Upper

117 100

82 60.6 48.8 73.2

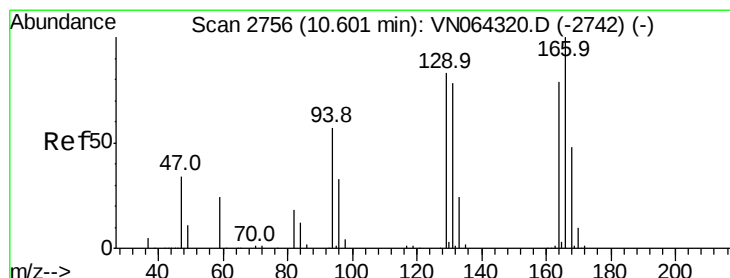
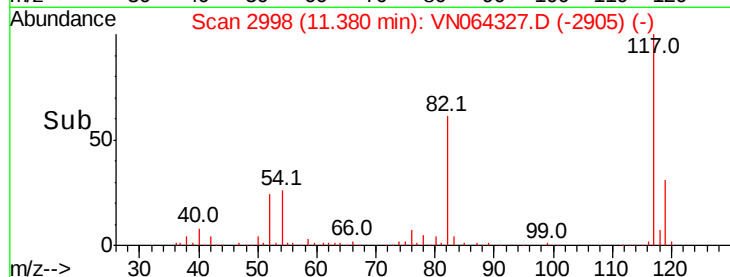
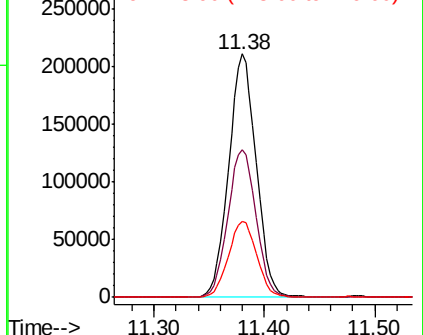
119 31.2 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.895 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Tgt Ion:164 Resp: 2684

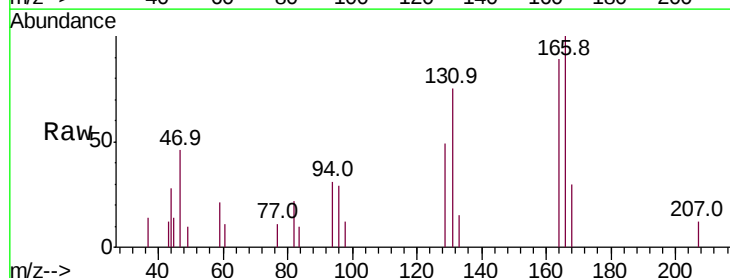
Ion Ratio Lower Upper

164 100

166 112.3 100.7 151.1

129 54.6 83.7 125.5#

131 83.8 78.2 117.2

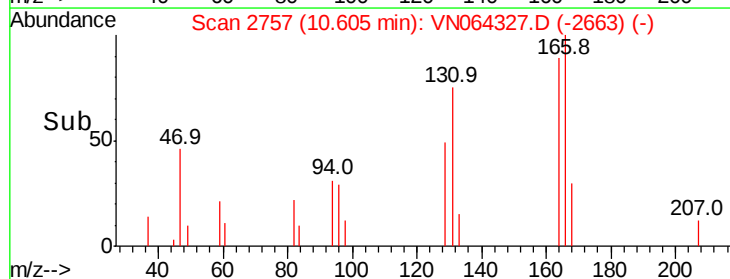
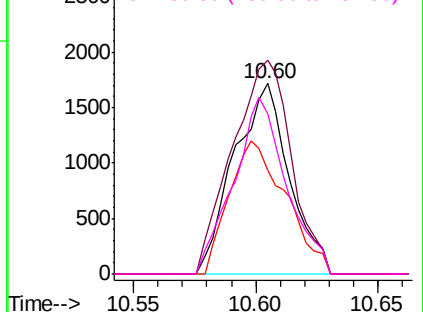


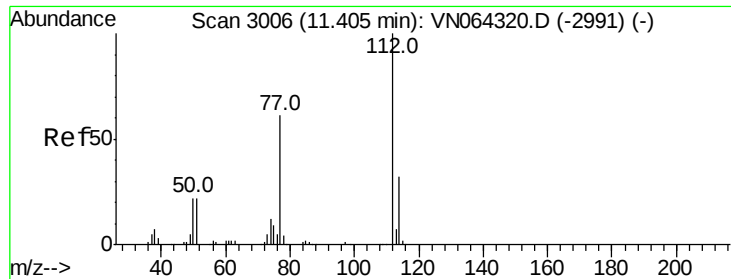
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

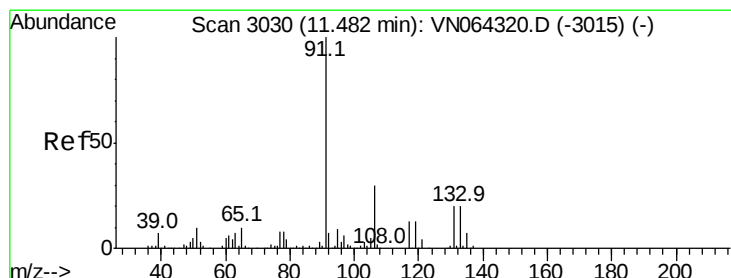
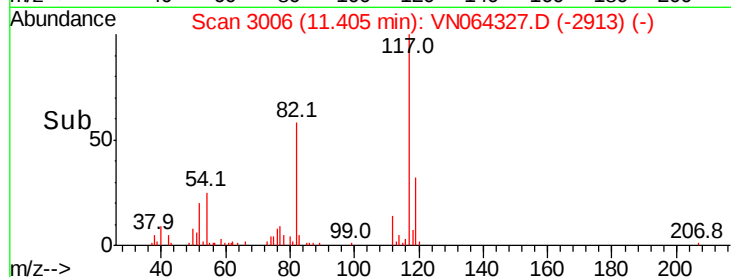
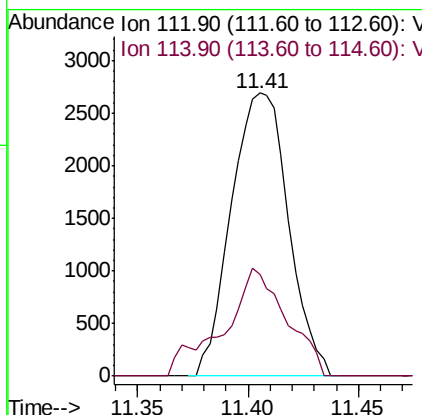
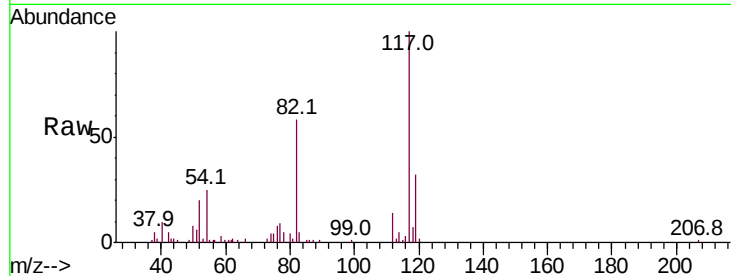




#65
Chlorobenzene
Concen: 0.654 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

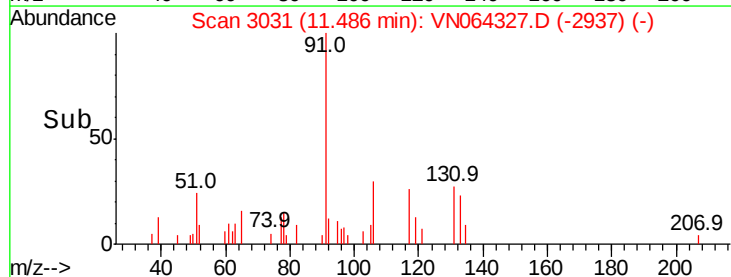
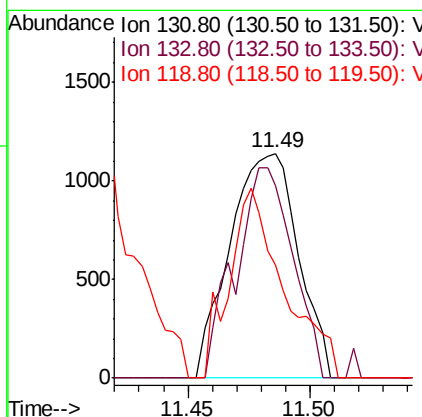
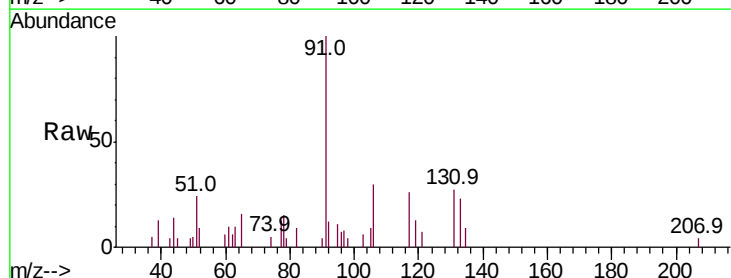
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

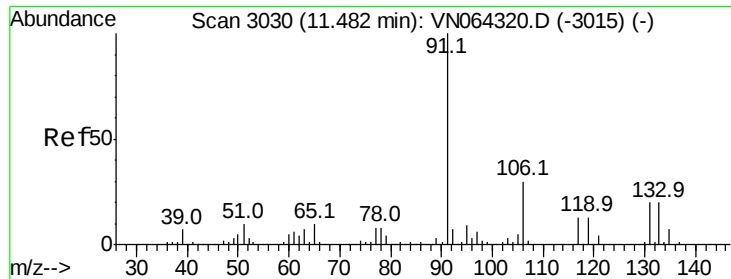
Tot Ion:112 Resp: 4837
Ion Ratio Lower Upper
112 100
114 35.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 0.740 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

Tgt Ion:131 Resp: 2214
Ion Ratio Lower Upper
131 100
133 78.9 49.3 147.8
119 0.0 32.3 96.9#

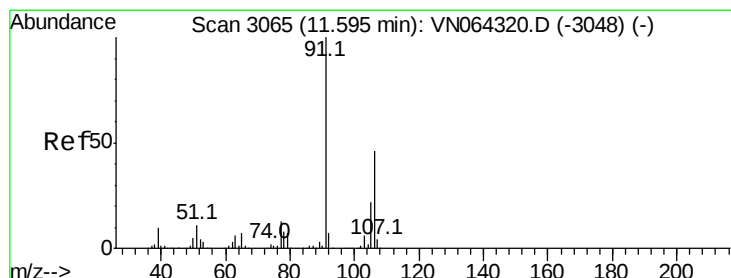
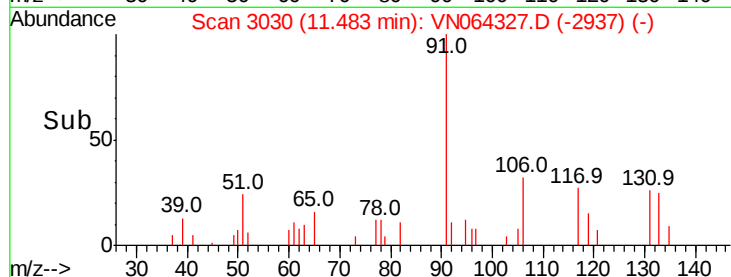
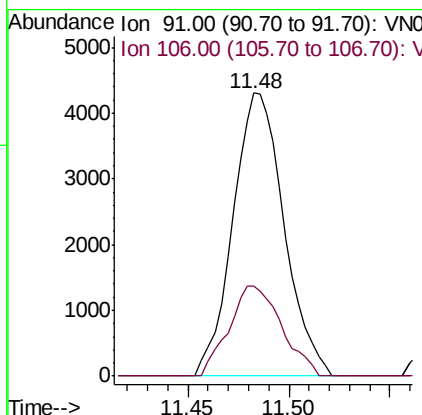
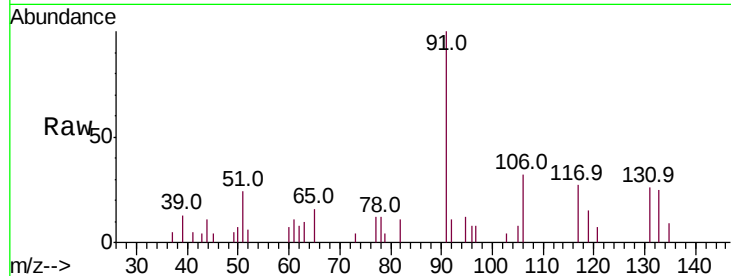




#67
Ethyl Benzene
Concen: 0.554 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

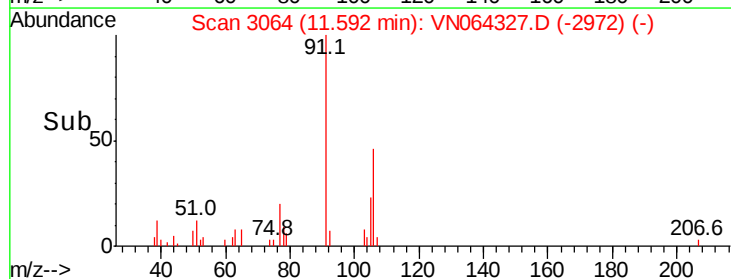
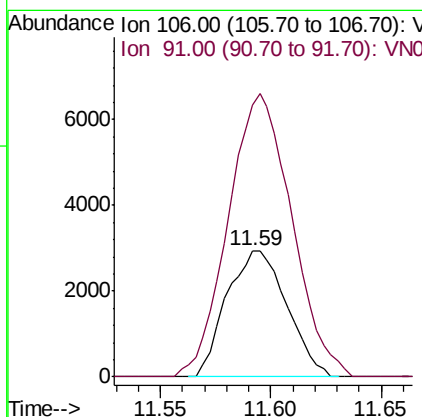
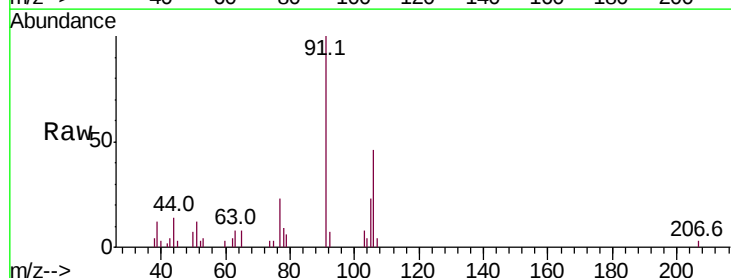
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

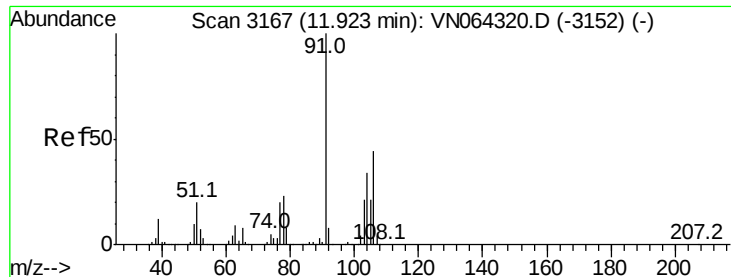
Tot Ion: 91 Resp: 7620
Ion Ratio Lower Upper
91 100
106 31.9 23.7 35.5



#68
m/p-Xylenes
Concen: 1.089 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

Tgt Ion: 106 Resp: 5553
Ion Ratio Lower Upper
106 100
91 238.1 170.2 255.4





#69

o-Xylene

Concen: 0.534 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

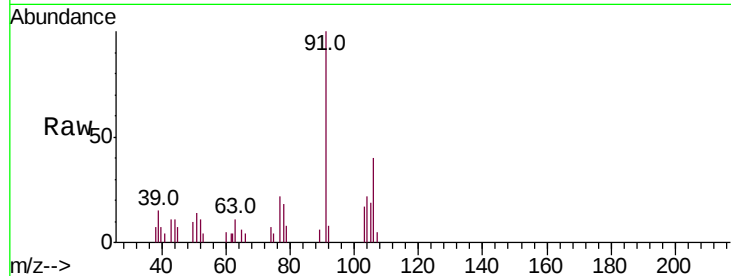
MDL-WATER-03-QT4-2020

Tot Ion:106 Resp: 2623

Ion Ratio Lower Upper

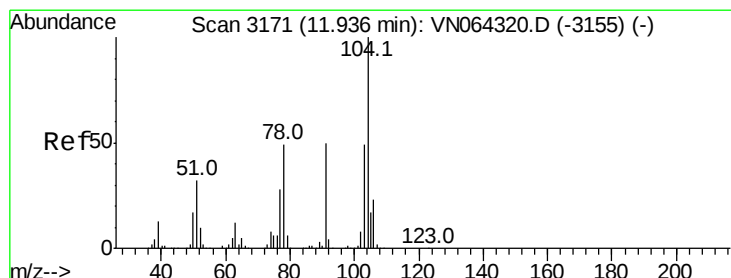
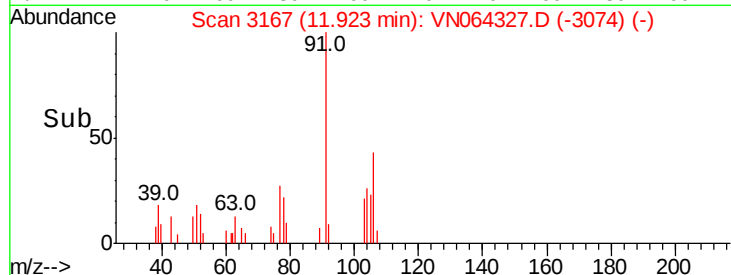
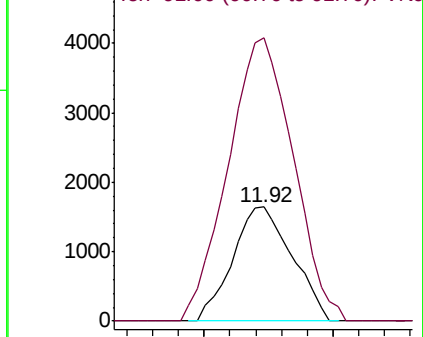
106 100

91 274.0 114.5 343.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 0.591 ug/l

RT: 11.94 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

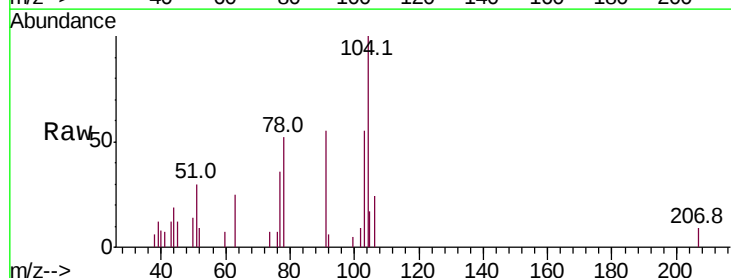
Tgt Ion:104 Resp: 4759

Ion Ratio Lower Upper

104 100

78 63.7 43.7 65.5

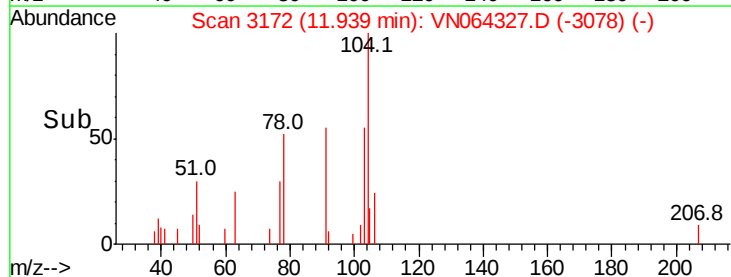
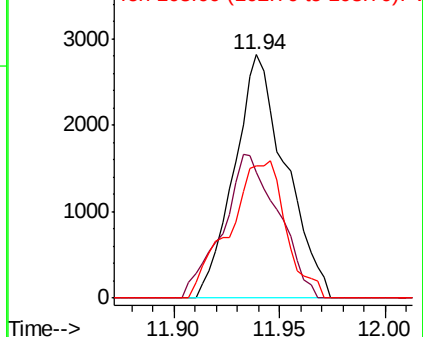
103 61.8 43.3 64.9

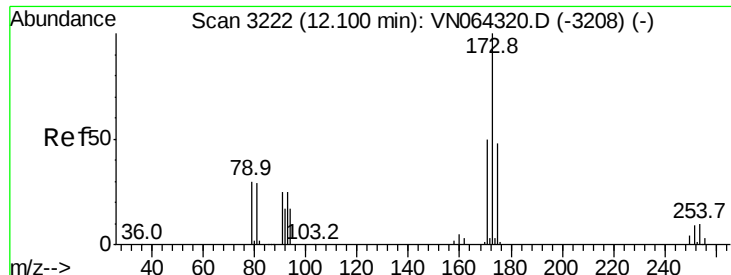


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

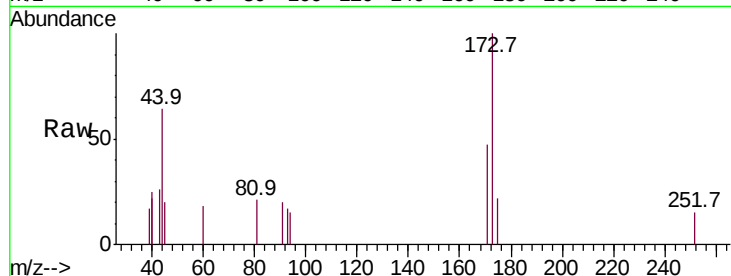




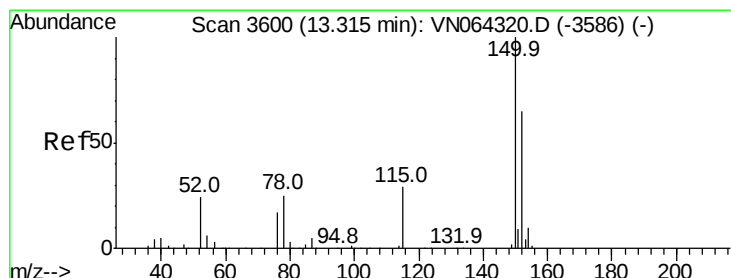
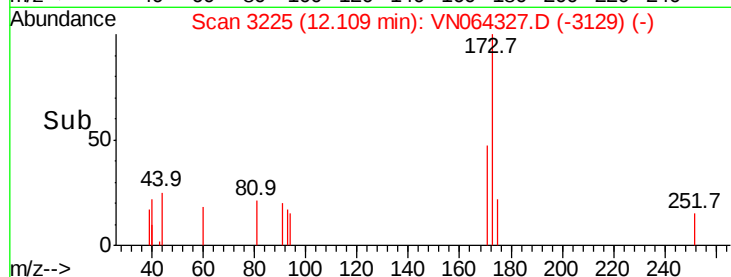
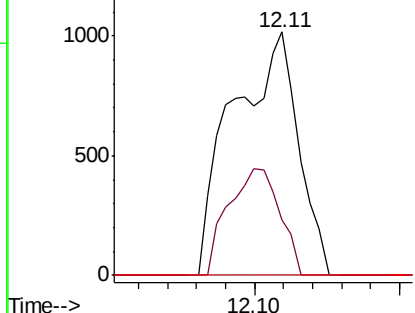
#71
Bromoform
Concen: 0.679 ug/l
RT: 12.11 min Scan# 3225
Delta R.T. 0.01 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

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

Tot Ion:173 Resp: 1593
Ion Ratio Lower Upper
173 100
175 34.3 25.4 76.0
254 0.0 0.0 0.0

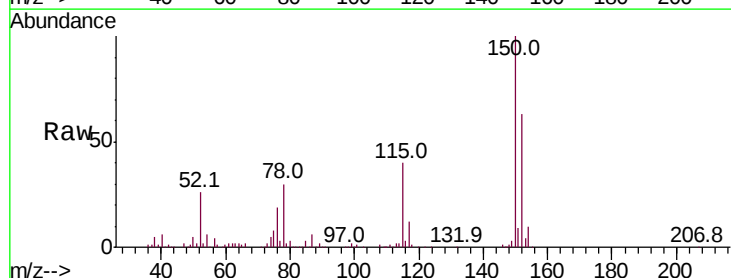


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

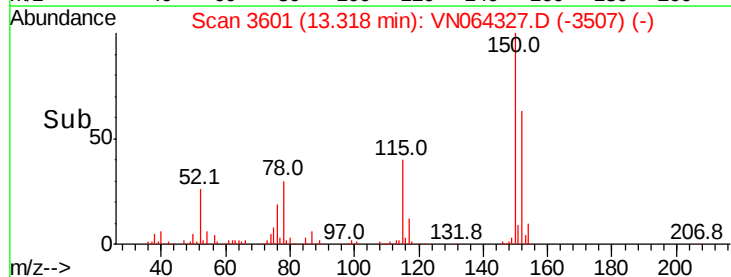
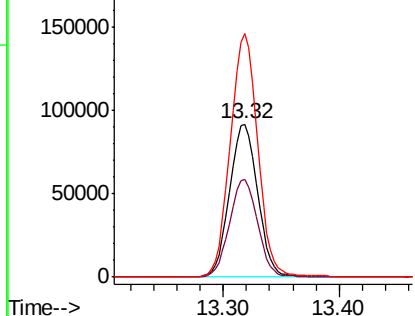


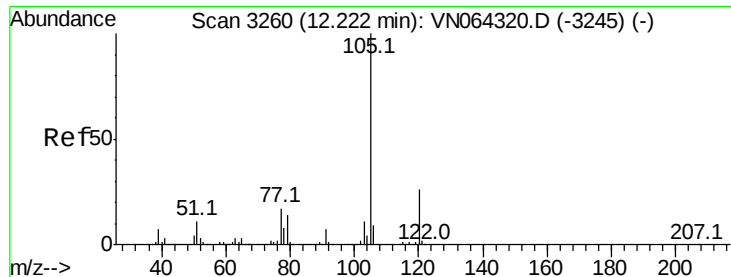
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

Tgt Ion:152 Resp: 154618
Ion Ratio Lower Upper
152 100
115 63.3 31.5 94.5
150 153.7 0.0 346.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.687 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

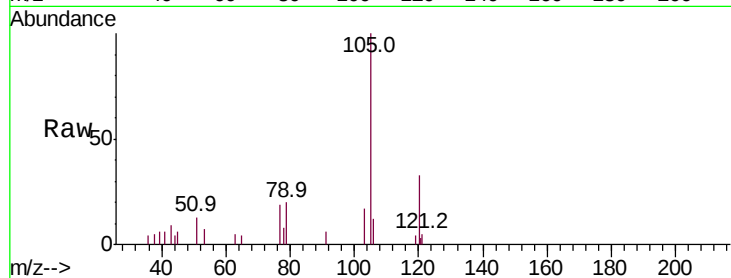
MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 7961

Ion Ratio Lower Upper

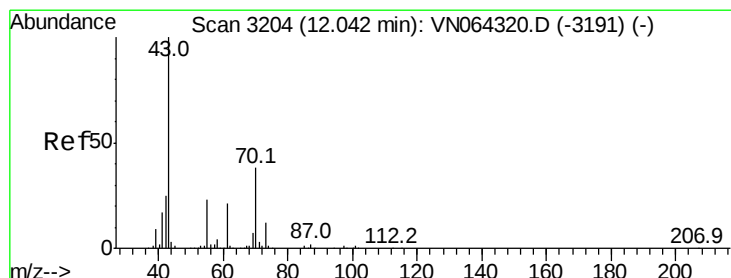
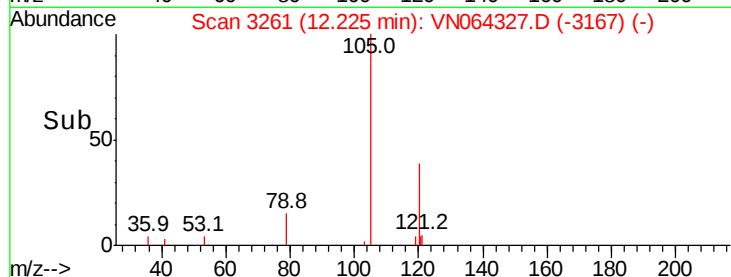
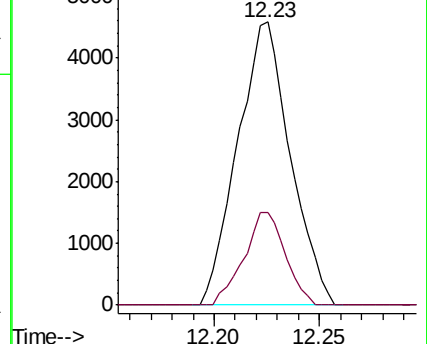
105 100

120 25.7 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.554 ug/l

RT: 12.05 min Scan# 3206

Delta R.T. 0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Tgt Ion: 43 Resp: 2825

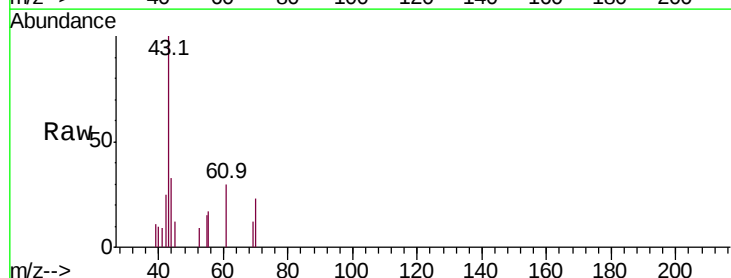
Ion Ratio Lower Upper

43 100

70 17.0 30.6 45.8#

55 26.8 18.2 27.4

61 21.0 17.6 26.4

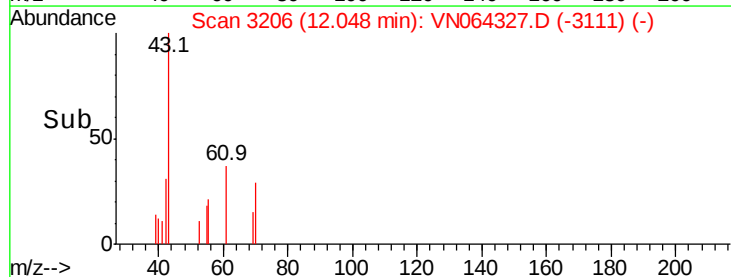
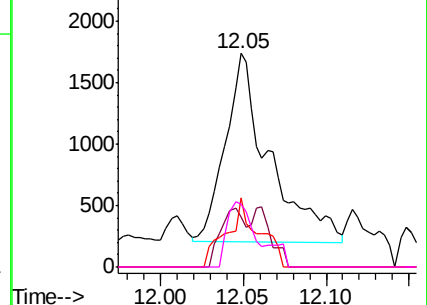


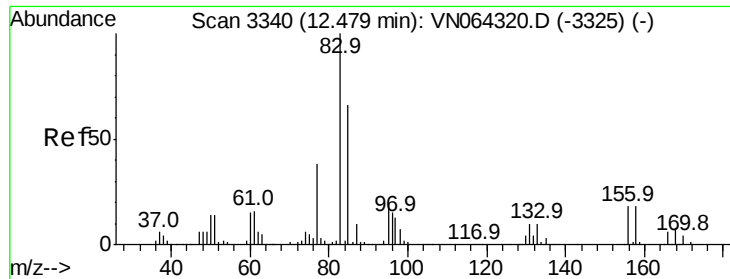
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 0.733 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

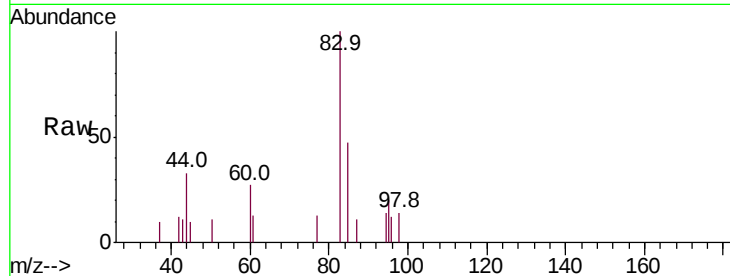
Tot Ion: 83 Resp: 2468

Ion Ratio Lower Upper

83 100

131 0.0 5.4 16.2#

85 58.9 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VN064320.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064320.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064320.D (-3325) (-)

12.48

1500

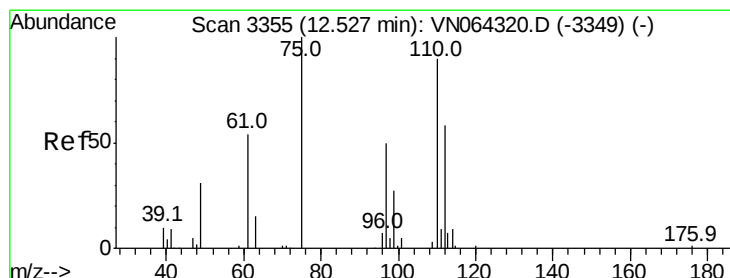
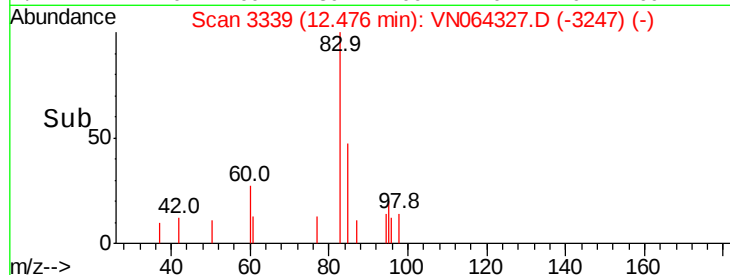
1000

500

0

12.45 12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 0.927 ug/l

RT: 12.53 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN064327.D

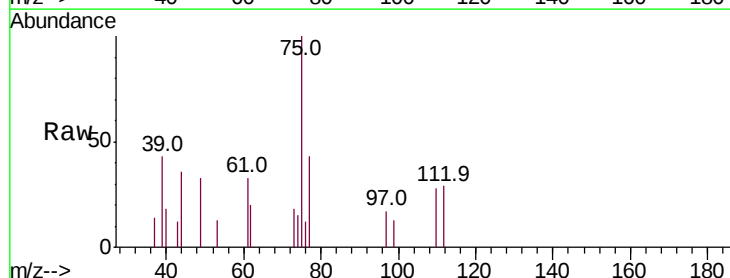
Acq: 27 Oct 2020 15:41

Tgt Ion: 75 Resp: 3433

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064320.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064320.D (-3349) (-)

2500

2000

1500

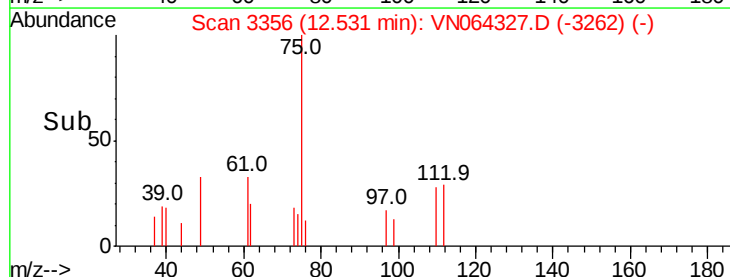
1000

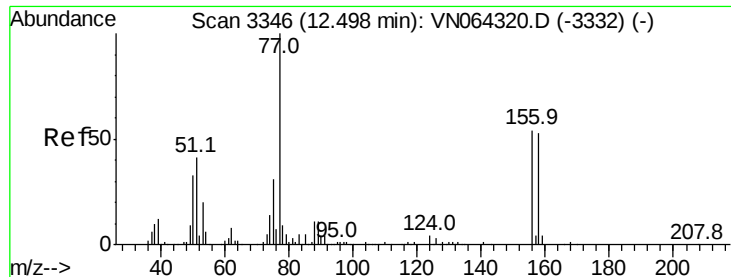
500

0

12.45 12.50 12.55

Time-->





#77

Bromobenzene

Concen: 0.708 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

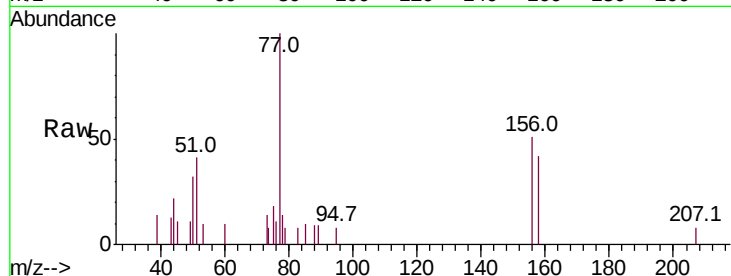
Tot Ion:156 Resp: 2008

Ion Ratio Lower Upper

156 100

77 219.0 111.9 335.7

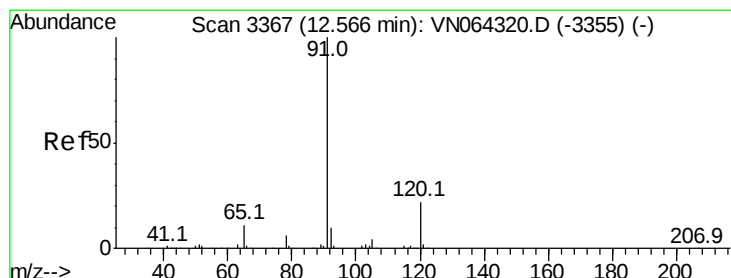
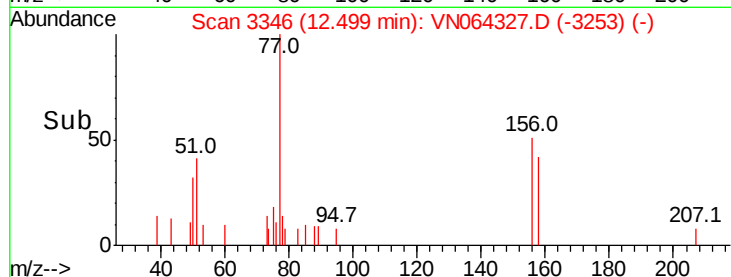
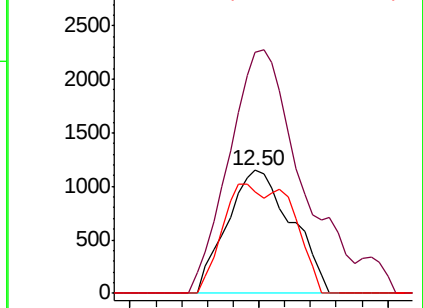
158 55.9 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.705 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064327.D

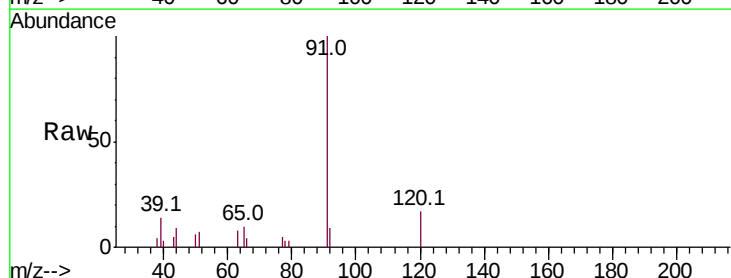
Acq: 27 Oct 2020 15:41

Tgt Ion: 91 Resp: 9248

Ion Ratio Lower Upper

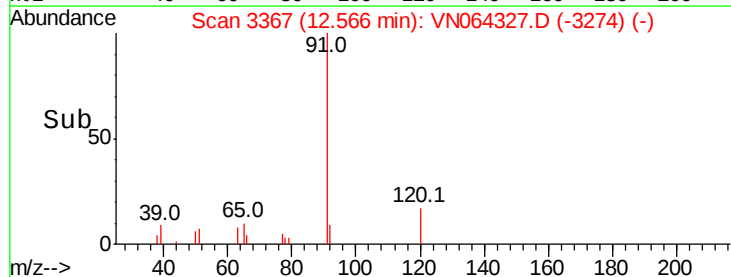
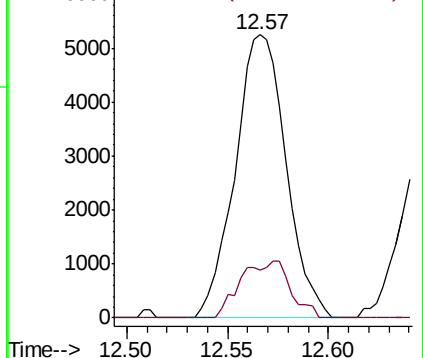
91 100

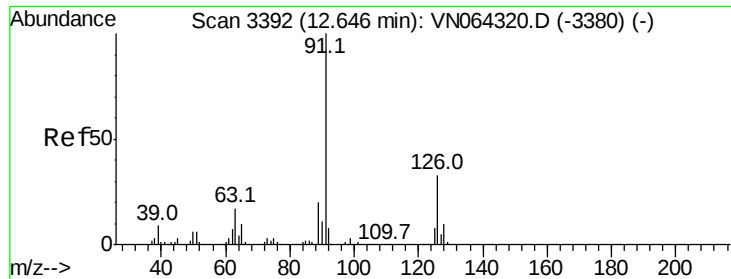
120 19.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.758 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

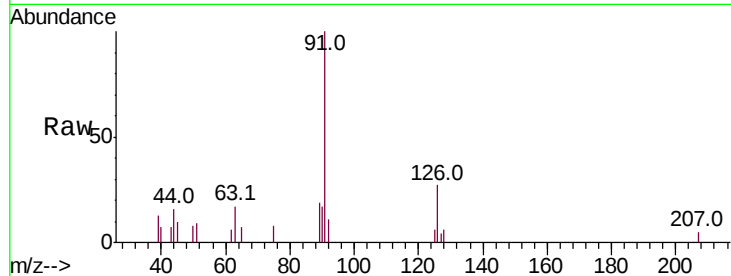
MDL-WATER-03-QT4-2020

Tot Ion: 91 Resp: 6353

Ion Ratio Lower Upper

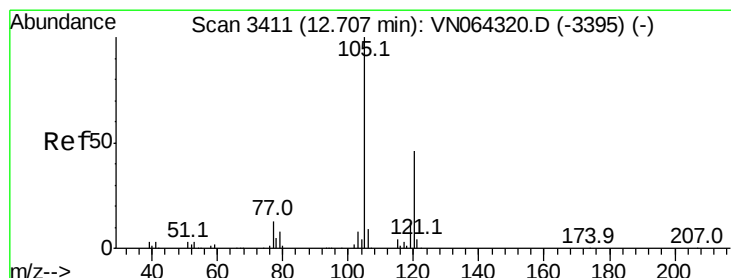
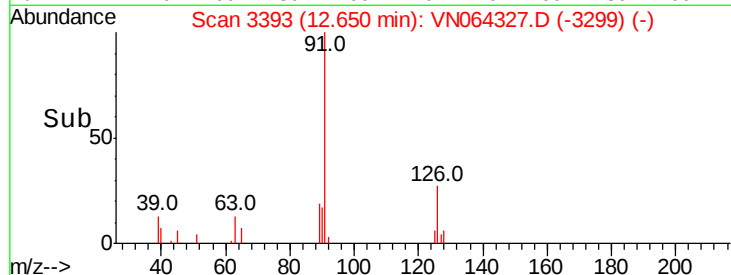
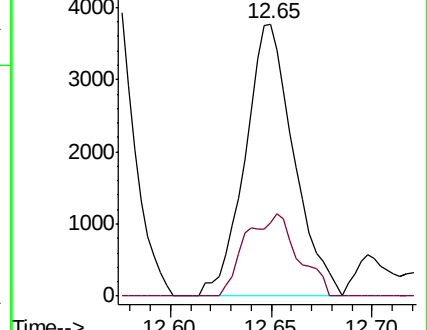
91 100

126 32.6 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN064327.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN064327.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.701 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064327.D

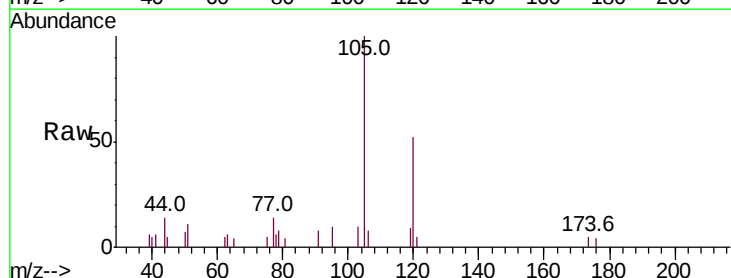
Acq: 27 Oct 2020 15:41

Tgt Ion: 105 Resp: 6865

Ion Ratio Lower Upper

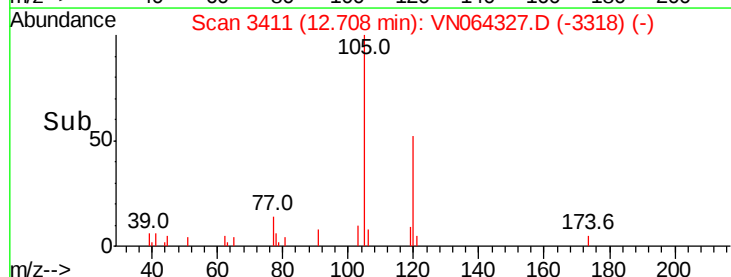
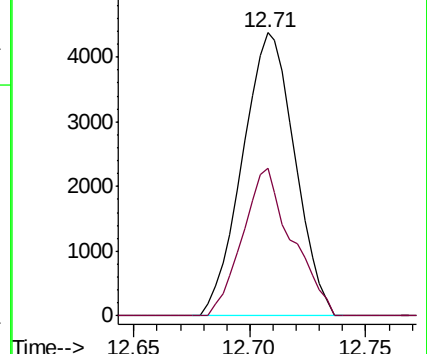
105 100

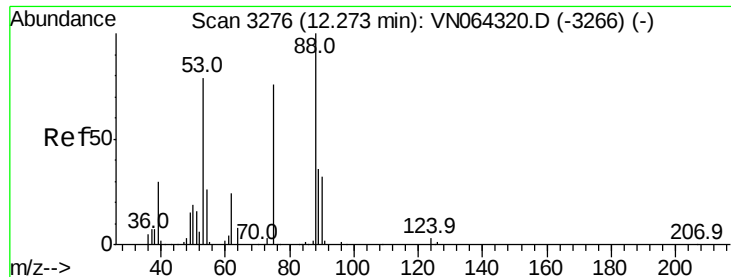
120 49.3 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064327.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064327.D (-3411) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 77.913 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

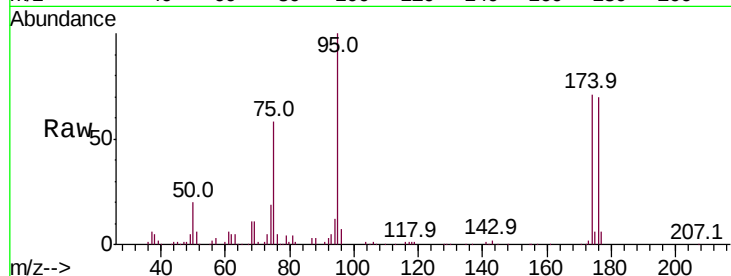
Tot Ion: 75 Resp: 100151

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

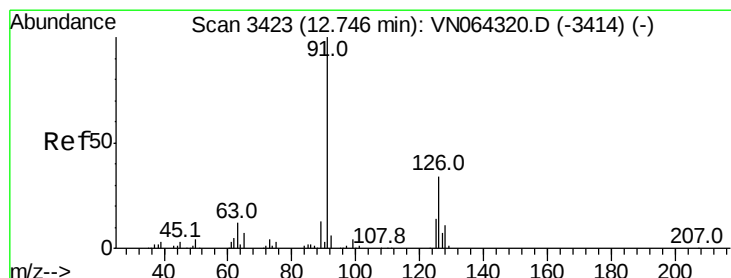
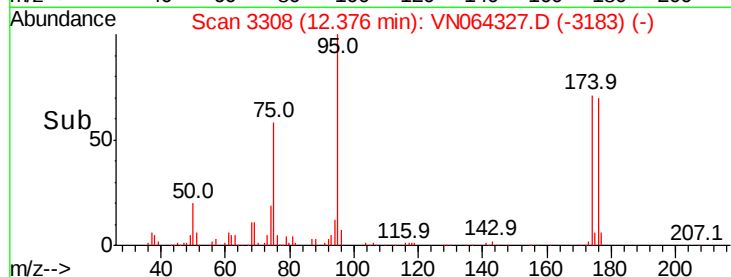
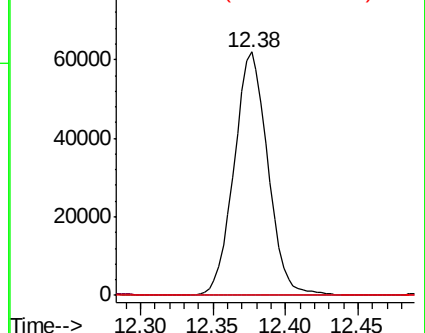
89 0.0 39.9 59.9#



Abundance Ion 74.90 (74.60 to 75.60): VN064327.D (-3308) (-)

Ion 53.00 (52.70 to 53.70): VN064327.D (-3308) (-)

Ion 88.90 (88.60 to 89.60): VN064327.D (-3308) (-)



#82

4-Chlorotoluene

Concen: 0.802 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN064327.D

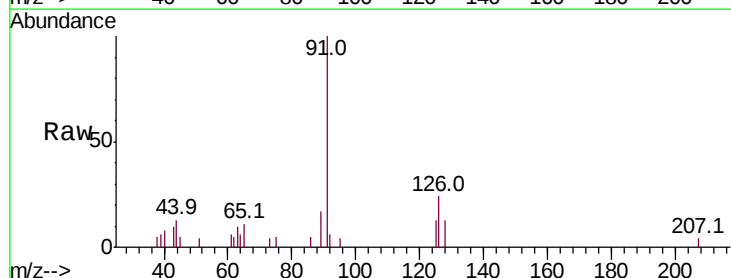
Acq: 27 Oct 2020 15:41

Tgt Ion: 91 Resp: 6848

Ion Ratio Lower Upper

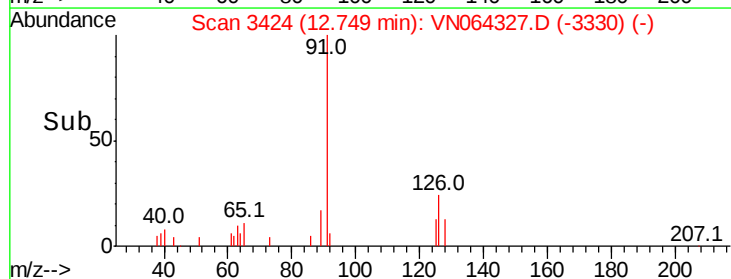
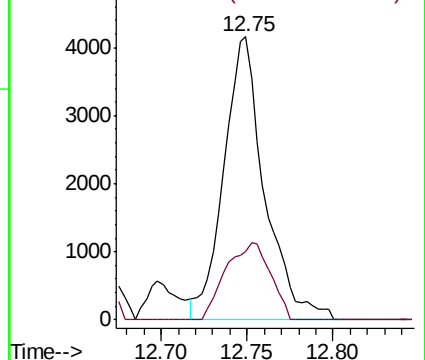
91 100

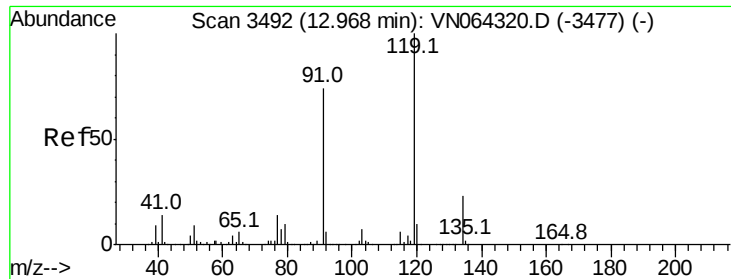
126 29.8 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VN064327.D (-3424) (-)

Ion 125.90 (125.60 to 126.60): VN064327.D (-3424) (-)





#83

tert-Butylbenzene

Concen: 0.717 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

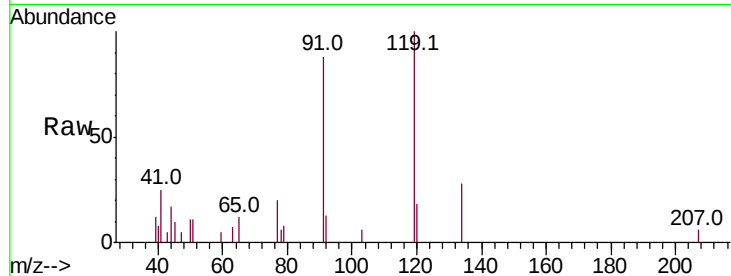
Tot Ion:119 Resp: 5767

Ion Ratio Lower Upper

119 100

91 75.5 36.4 109.1

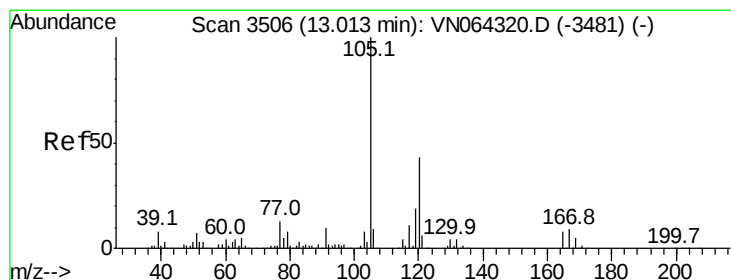
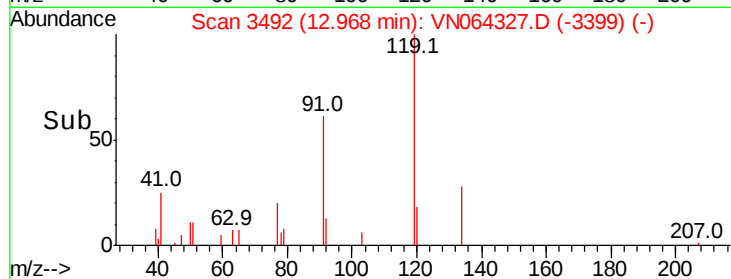
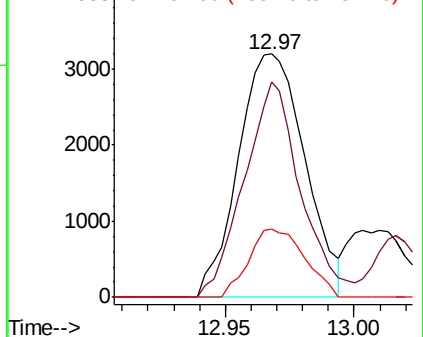
134 23.5 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.674 ug/l

RT: 13.02 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN064327.D

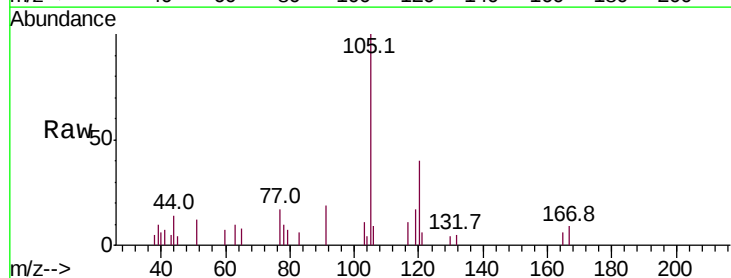
Acq: 27 Oct 2020 15:41

Tgt Ion:105 Resp: 6604

Ion Ratio Lower Upper

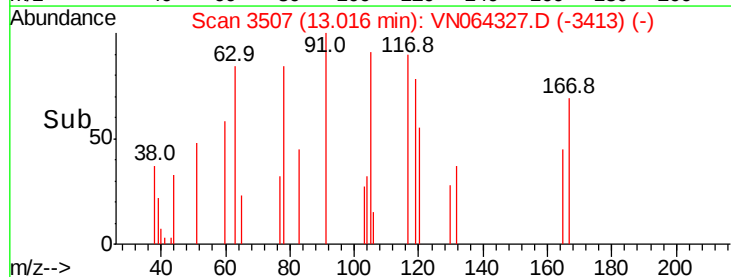
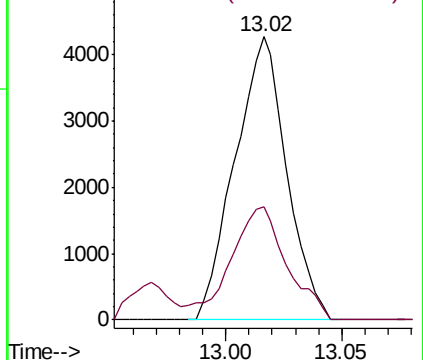
105 100

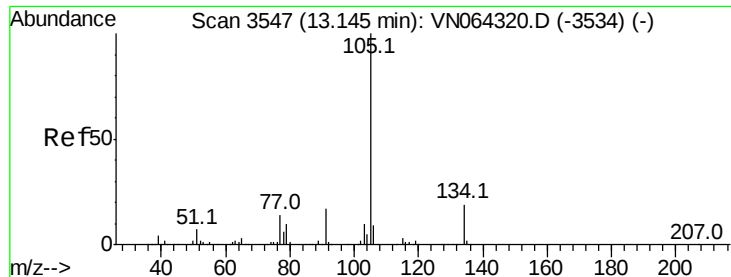
120 43.1 21.3 64.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.686 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

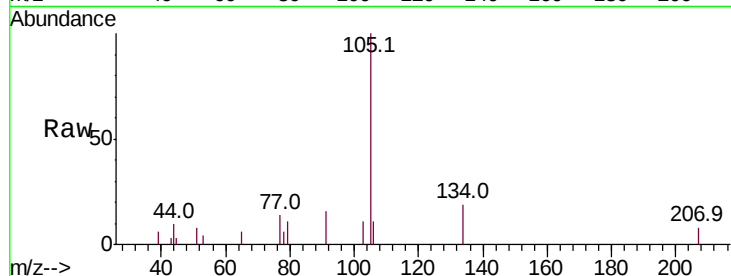
MDL-WATER-03-QT4-2020

Tot Ion:105 Resp: 7134

Ion Ratio Lower Upper

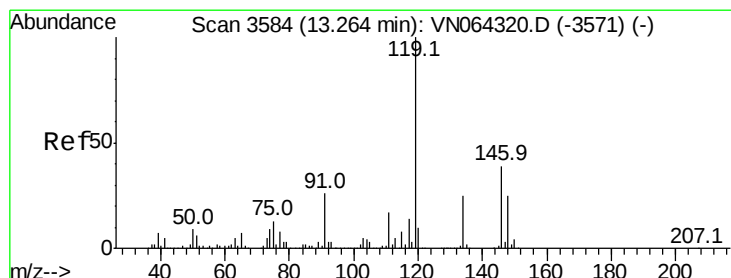
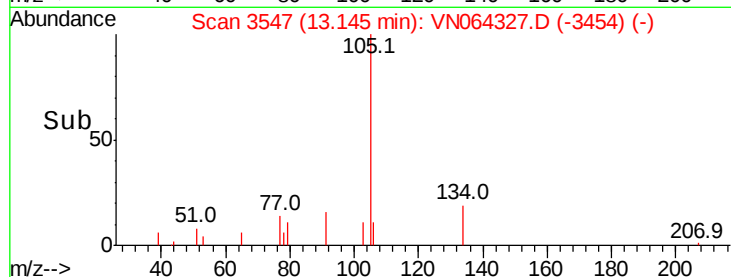
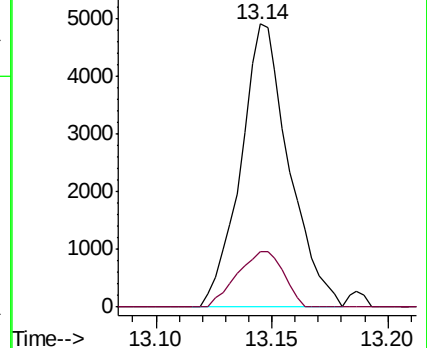
105 100

134 18.8 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.625 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

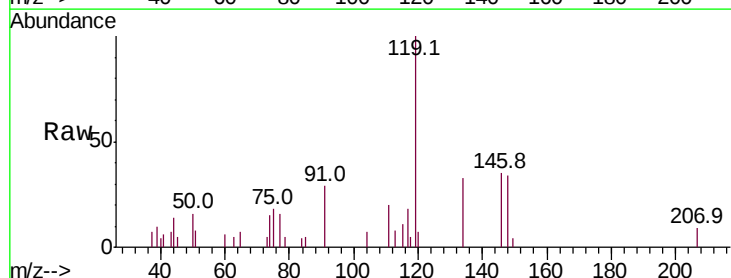
Tgt Ion:119 Resp: 5863

Ion Ratio Lower Upper

119 100

134 27.4 12.8 38.4

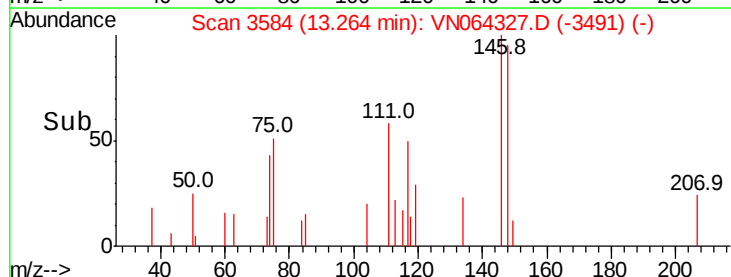
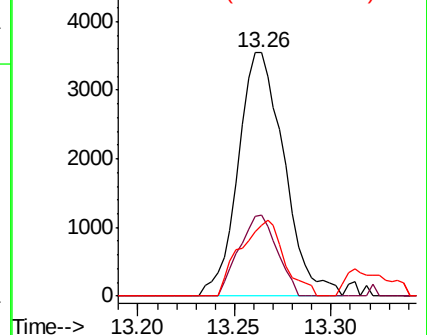
91 30.0 13.0 38.9

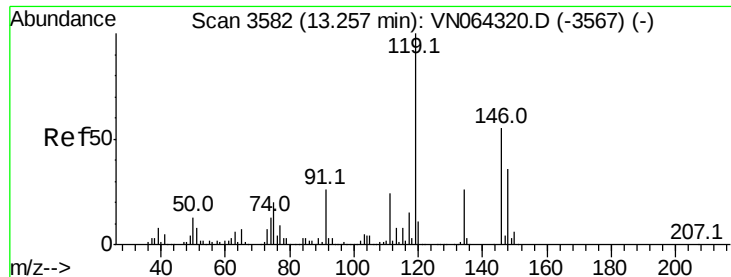


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

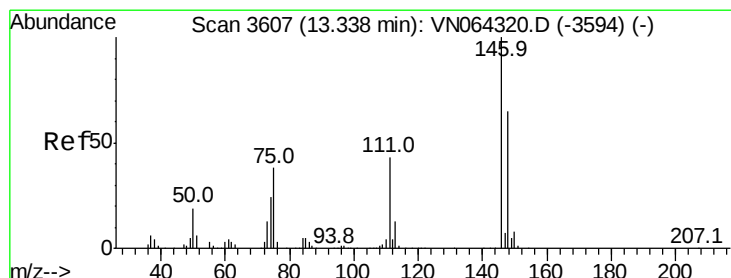
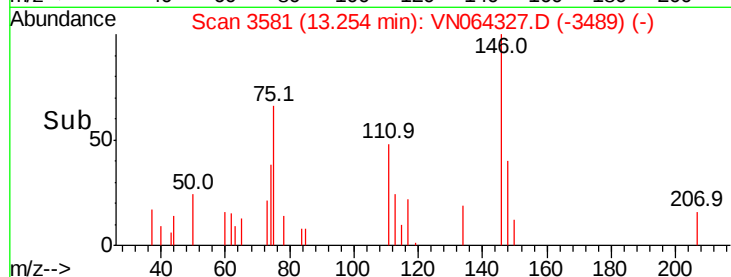
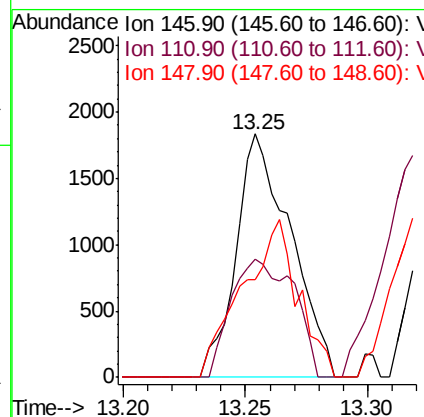
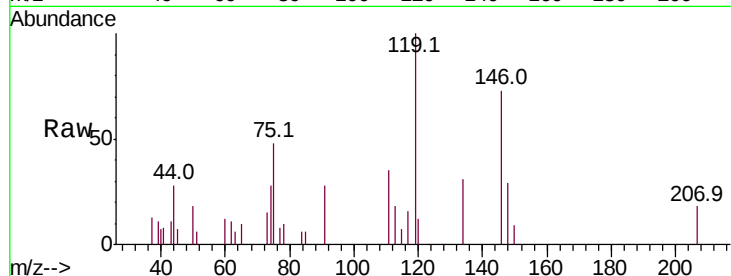




#87
 1,3-Dichlorobenzene
 Concen: 0.574 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

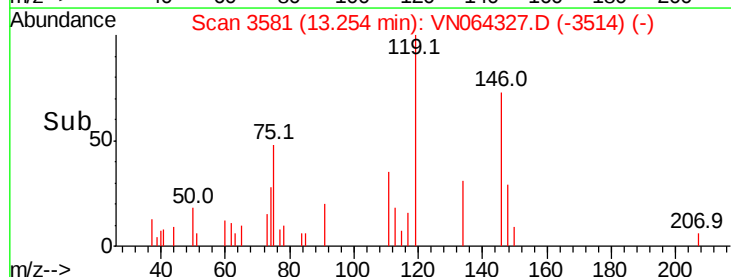
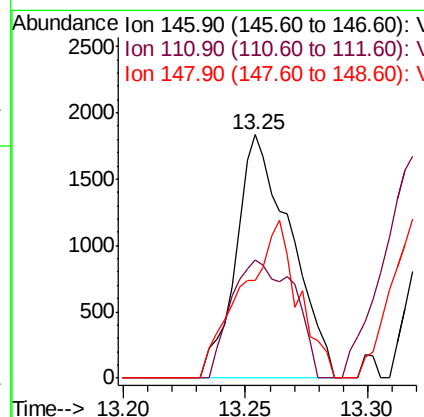
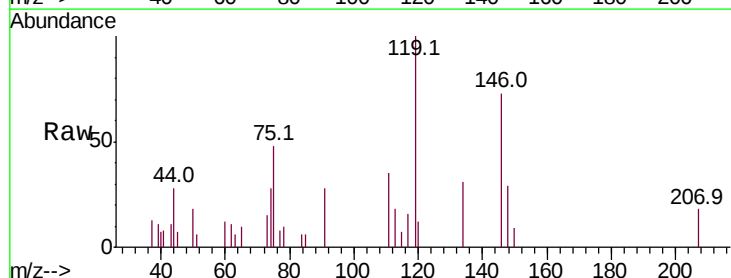
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

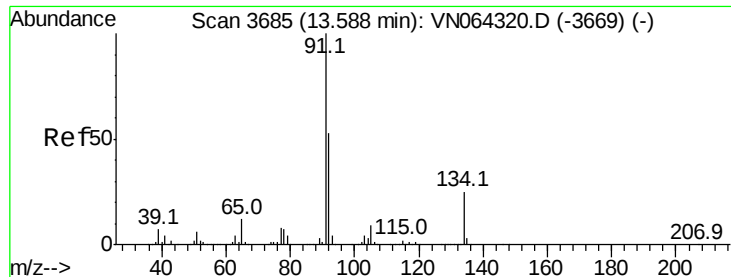
Tot Ion:146 Resp: 2851
 Ion Ratio Lower Upper
 146 100
 111 55.9 21.9 65.5
 148 65.9 32.6 98.0



#88
 1,4-Dichlorobenzene
 Concen: 0.564 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.08 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

Tgt Ion:146 Resp: 2851
 Ion Ratio Lower Upper
 146 100
 111 55.9 21.8 65.4
 148 65.9 31.8 95.3

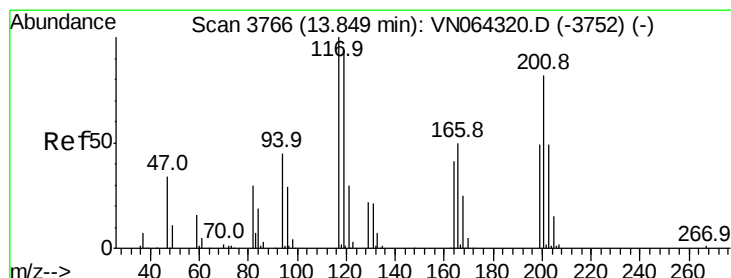
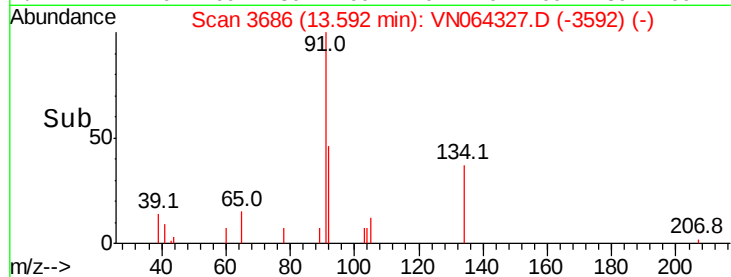
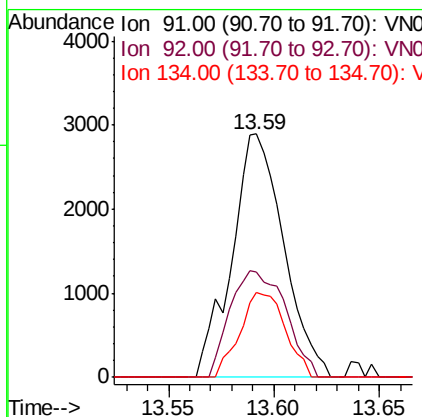
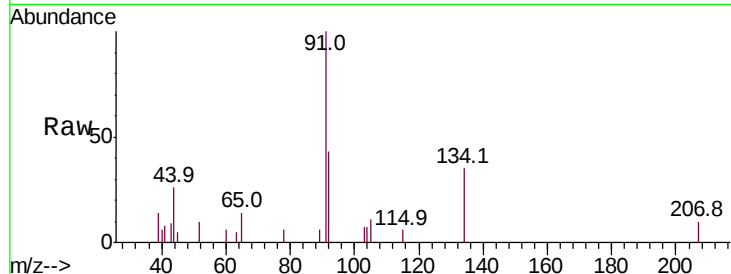




#89
n-Butylbenzene
Concen: 0.601 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

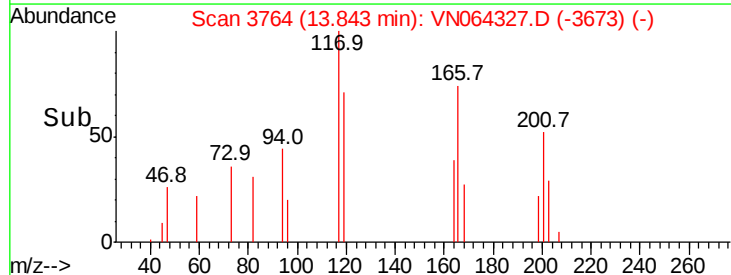
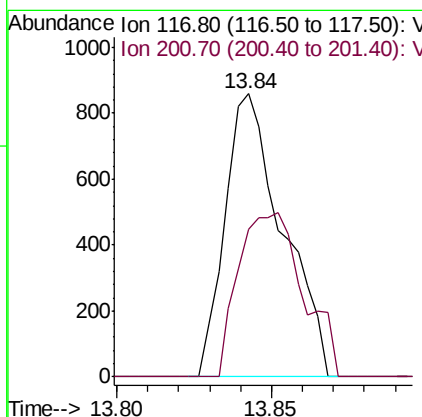
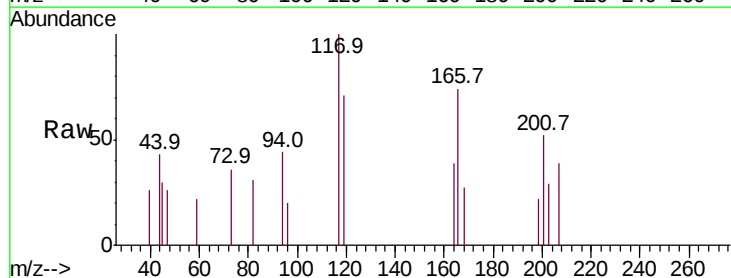
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2020

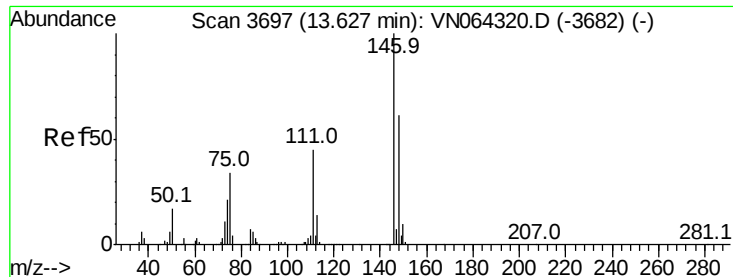
Tot Ion: 91 Resp: 4962
Ion Ratio Lower Upper
91 100
92 46.7 26.2 78.5
134 30.3 12.4 37.4



#90
Hexachloroethane
Concen: 0.632 ug/l
RT: 13.84 min Scan# 3764
Delta R.T. -0.01 min
Lab File: VN064327.D
Acq: 27 Oct 2020 15:41

Tgt Ion: 117 Resp: 1113
Ion Ratio Lower Upper
117 100
201 64.9 39.8 119.3

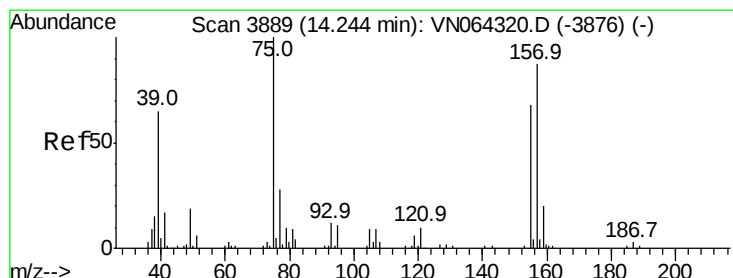
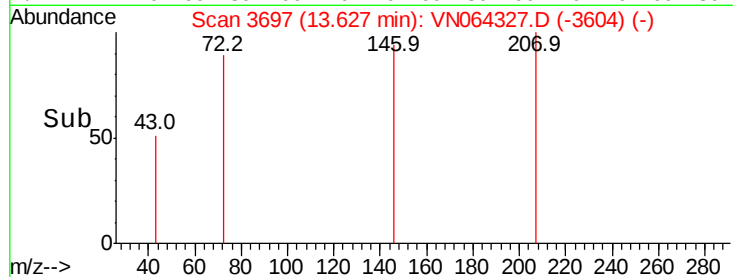
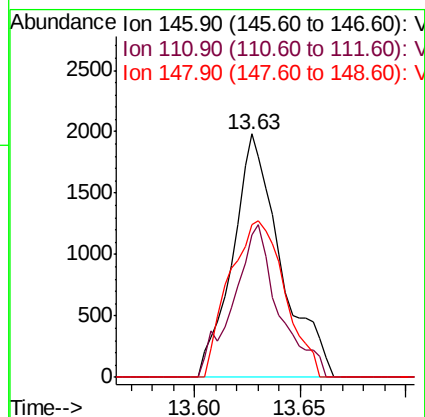
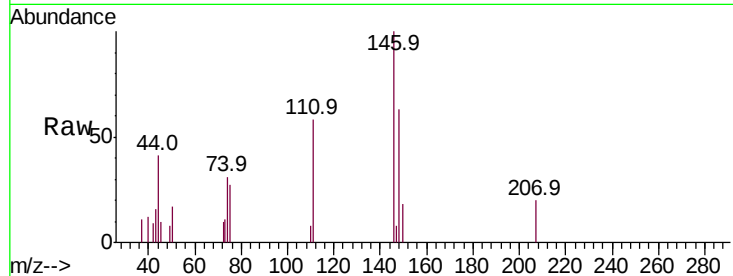




#91
 1,2-Dichlorobenzene
 Concen: 0.636 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

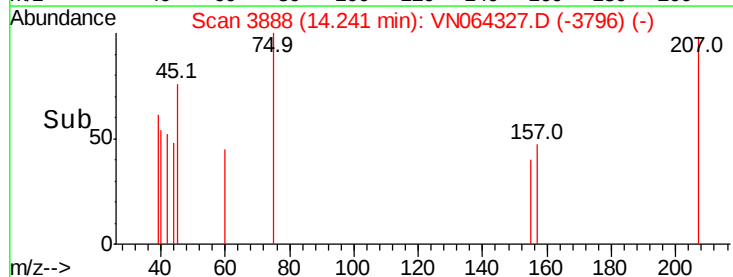
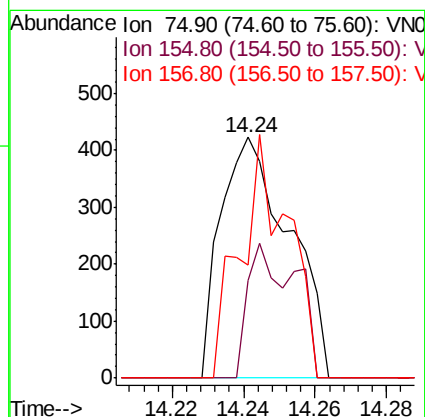
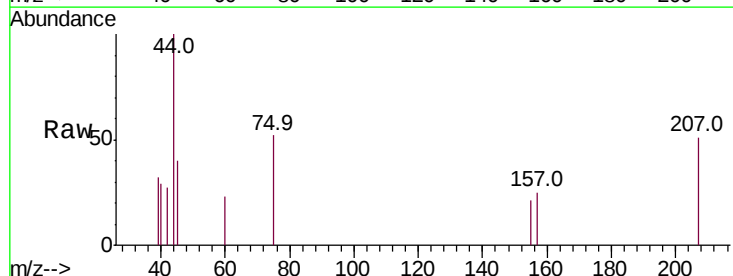
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

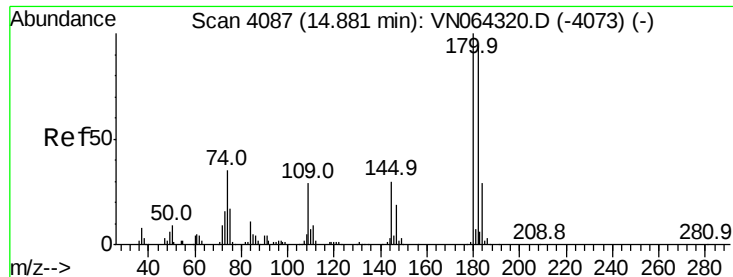
Tot Ion:146 Resp: 3137
 Ion Ratio Lower Upper
 146 100
 111 59.5 23.0 69.0
 148 74.2 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.673 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

Tgt Ion: 75 Resp: 562
 Ion Ratio Lower Upper
 75 100
 155 38.4 35.1 105.5
 157 70.5 43.2 129.6

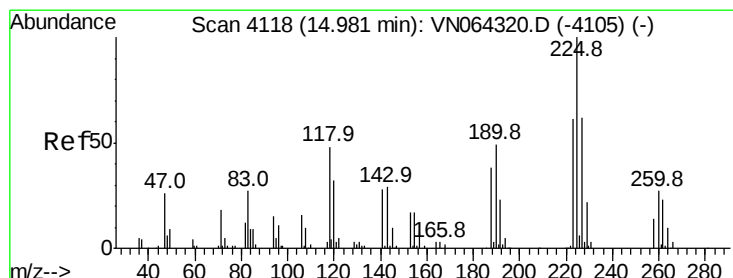
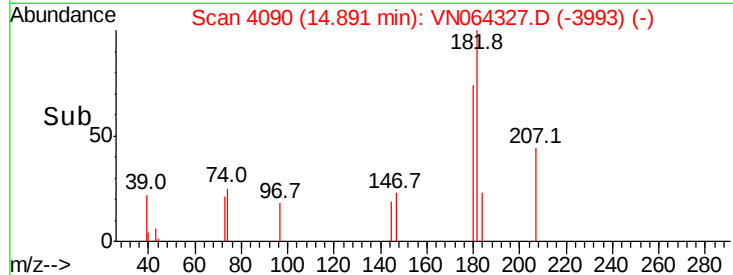
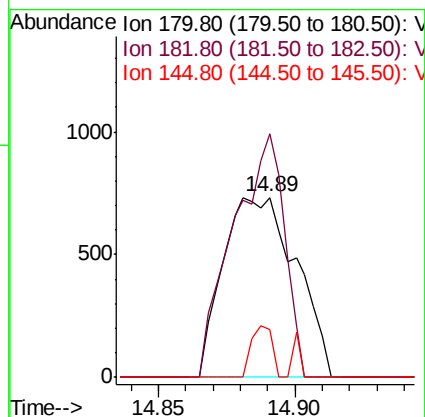
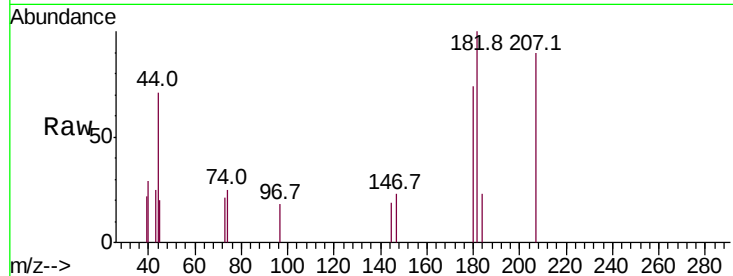




#93
 1,2,4-Trichlorobenzene
 Concen: 0.554 ug/l
 RT: 14.89 min Scan# 4090
 Delta R.T. 0.01 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

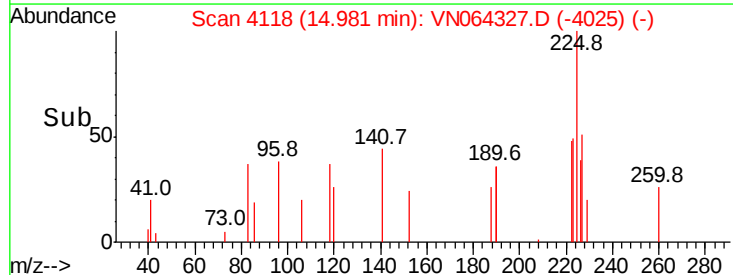
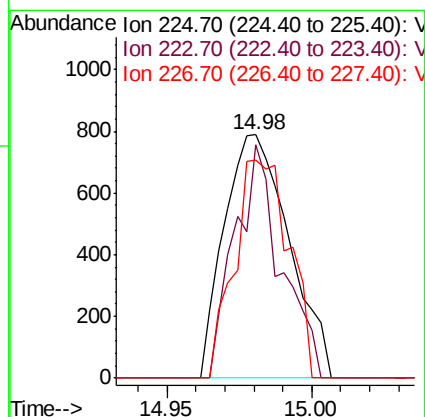
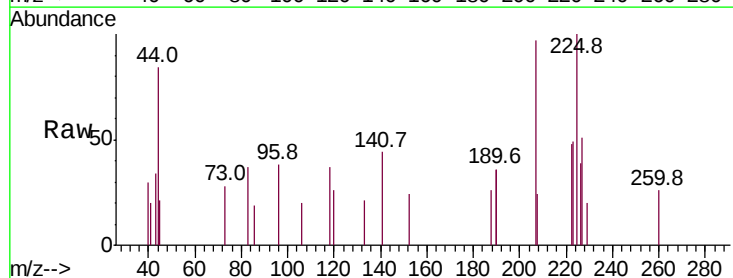
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2020

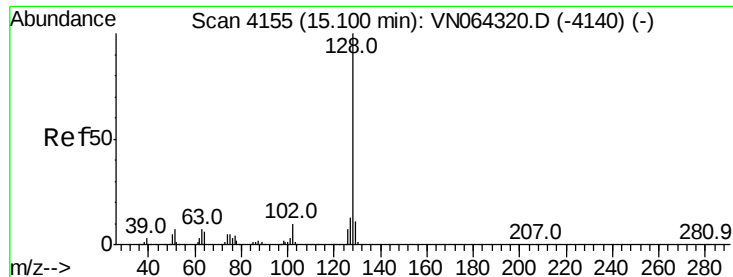
Tot Ion:180 Resp: 1366
 Ion Ratio Lower Upper
 180 100
 182 93.8 46.6 139.7
 145 8.0 15.3 45.9#



#94
 Hexachlorobutadiene
 Concen: 0.810 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064327.D
 Acq: 27 Oct 2020 15:41

Tgt Ion:225 Resp: 1227
 Ion Ratio Lower Upper
 225 100
 223 68.3 31.3 93.8
 227 75.5 32.3 96.9





#95

Naphthalene

Concen: 0.434 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2020

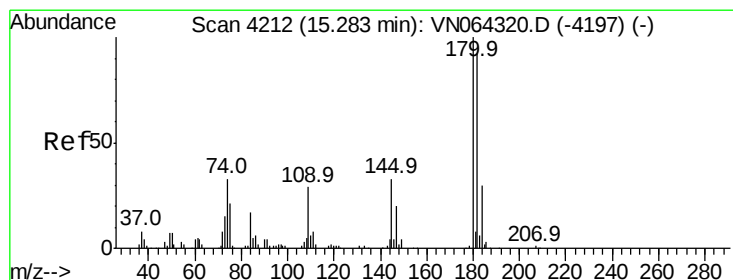
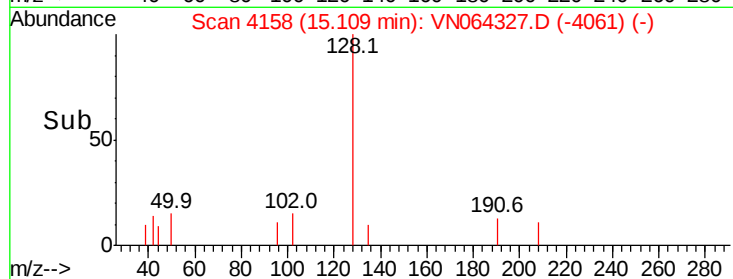
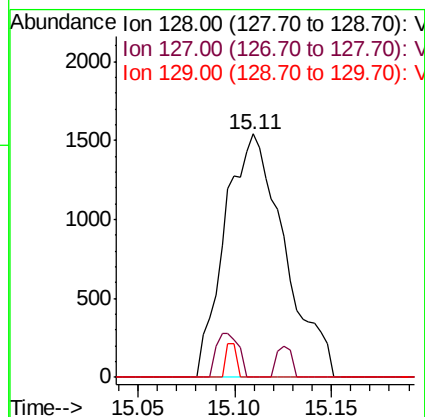
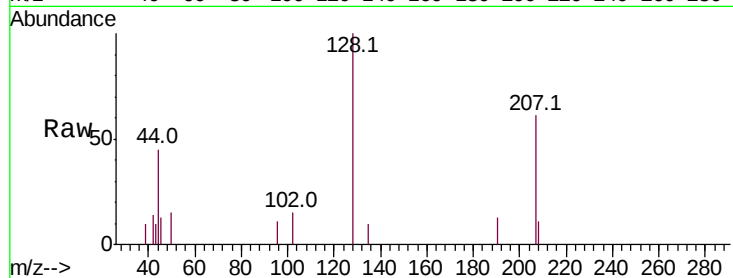
Tot Ion:128 Resp: 3303

Ion Ratio Lower Upper

128 100

127 6.9 10.4 15.6#

129 2.5 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.596 ug/l

RT: 15.29 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN064327.D

Acq: 27 Oct 2020 15:41

Tgt Ion:180 Resp: 1423

Ion Ratio Lower Upper

180 100

182 74.2 46.1 138.3

145 36.7 16.2 48.5

